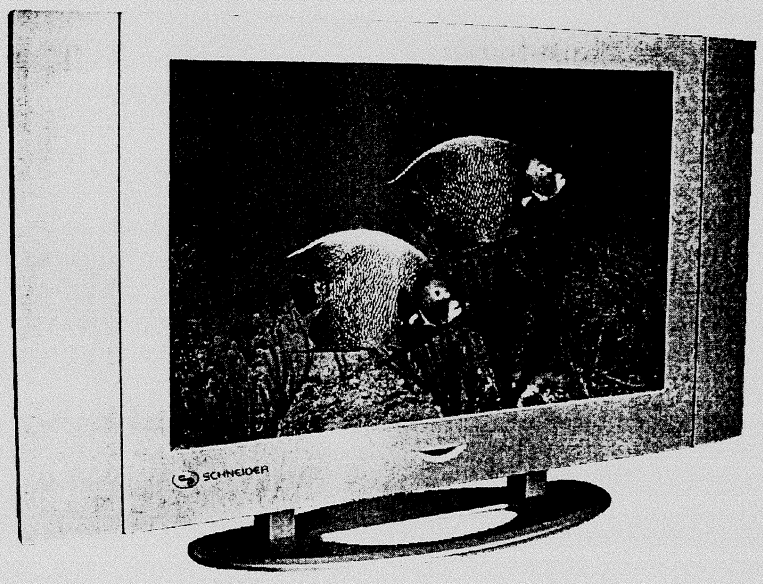
15865

# SCHNEIDER ELECTRONICS GMBH-GERMANY

# Service Manual




**Model No.: 30M901**

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This manual is the latest at the time of printing, and does not include the modification which may be made after printing, by the constant improvement of product.

# SCHNEIDER ELECTRONICS GMBH-GERMANY

# 1. CAUTION

CAUTION:
Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lighting flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**



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# IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions- All the safety and operating instructions should be read before the productis operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

# FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

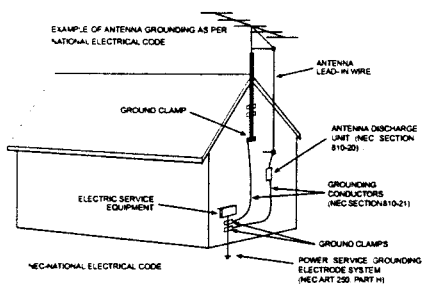
# PROTECTION AND LOCATION OF YOUR SET

11. • Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
    • Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
    • Never cover the slots or openings with cloth or other material.
    • Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
    • Never place the set near or over a radiator or heat register.
    • Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

# PROTECTION AND LOCATION OF YOUR SET

15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS


EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE
ANTENNA LEAD-IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
NEC-NATIONAL ELECTRICAL CODE
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)

15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.



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# OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set " off " and unplug the television set from the wall outlet.

# IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

# FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

# 2.Product Specification

Model No.: 30M901

**Environment**

| | | |
|---|---|---|
| Environment Temperature | Operation Temperature | 5 ~ 35 |
| | Store Temperature | -15~60 |
| Humidity | Operation Humidity % | 10 ~ 80 |
| | Store Humidity % | 10 ~ 90 |
| Air Pressure kps) | | 86 ~ 106 |

**Screen Parameter**

| | | | |
|---|---|---|---|
| Screen Size | 30" | Angle of View (H/V) | 170°/170° |
| Max. Resolution | 1280 x 768 | Responsive Time | 25ms |
| Ratio | 16:9 4:3 | Image Size(mm x mm) | 0.5025 × 0.1675 |
| Contrast ( Darkness, Nakedness) | 350:1 | Color Temperature(°K) | Warm 9300 |
| Brightness(cd/m²) | 450 | | Cool 11000 |
| Display Color | Supporting 16.7 M | Max. V. Frequency(Hz) | TV: 60Hz / PC: 85Hz |
| Supporting Pic. Format | 1920×1080i 1920×1152i | Max. H. Frequency(Hz) | TV:15.7kHz / PC: 69kHz |
| | 1440×1080i 1280×720p | | |
| | 1280×720i 720×480p | | |

**Color system(AV)**

| | | | |
|---|---|---|---|
| PAL | PAL - M | NTSC 3,58 | SECAM |
| PAL - N | NTSC 4,43 | Comb-Filter: NTSC | PAL |

**PC Signal**

| | | | |
|---|---|---|---|
| VGA | SVGA | XGA | WXGA |
| SXGA | True XGA | | |

**Antenna Receiving**

| | | |
|---|---|---|
| PAL - D/K | PAL - I | NTSC-M |





| | | |
|---|---|---|
| PAL - BG | PAL - N | NTSC4.43 |
| PAL - M | SECAM -D/K I BG | SECAM-L |

**Special Features**

| | | | |
|---|---|---|---|
| 100 Hz Progressive Scan | Black and White Mode | Smart Picture | DLTI |
| 50/60 Hz Progressive Scan | Child Lock | MADA | DCTI |
| Black Stretch | PIP (PC DVI Mode) | Picture Dynamic Reduce Noise | Timer Off |
| Color Temperature Adjustment | | | |

*Stereo*

| | | | |
|---|---|---|---|
| Nicam | MTS | FM-FM | German Stereo |
| BTSC | | | |

*Program*

| | | | |
|---|---|---|---|
| Program Auto Mark | Program Compositor | Channels: 99 | |
| Auto Searching | Manual Searching | Tuning | |

*Teletext*

| | | |
|---|---|---|
| Type: | TOP FLOP TELETEXT | Pages:500 |

**Audio**

| | | | |
|---|---|---|---|
| Insert SPK. | Insert Amplifier | Sound Effect | AVC |
| Output Power(W) | 2×6W | BVSS | Balance (Steps 5 ) |
| Sound Effect Adjustment | Bass Treble | Balance | Others Five Bands Equalizer |

**Display**

| | |
|---|---|
| OSD(14 languages) | English, French, German, Italian, Russian, Denish, Finnish, Czech, Greece, Portuguese, Spanish, Turkish, Croatia, Dutch |

**Adjustment via OSD**

| | | | |
|---|---|---|---|
| Contrast | Chroma | H/V - size PC | Picture Rotation |
| Brightness | Tint | H/V - place PC | |

**Power Supply**

| | | | |
|---|---|---|---|
| Max. Power Consumption(W) | 180W | Voltage V/Hz | 180-240V 50/60 Hz |
| Standby Power Consumption | 2.6W | Switch on/off | Auto stand-by Timer Min |

**Accessories**

| | | | |
|---|---|---|---|
| • Remote Controller | • Stand | • RF coaxial Cable | • Scart Line ( m) |
| • Set Top Box | • Mounting Bracket• Optional | • Power Supply LIne 2.2 m) | • Antenna (1.8 m) |
| • Speakers box | • VGA line (Type• DB15 • | • speakers box wire | • RF coaxial Cable |

**Connector**

| | | | | |
|---|---|---|---|---|
| Screen | • Antenna Input | • BNC | • IEC | • Others• • |
| | Video Terminal | | | |
| | • VGA Input• Type• D-15 Pins Quantity• •1• | | • VGA Output• Type• Quantity• • • • | |
| | • •DVI Input Type• DVI-I 29Pins Quantity• 1 | | • • | |
| | • YUV Input• •With Audio • •• • RCA • •BNC Quantity• 1 • • | | | |
| | • Y, Cr, Cb Input(• RCA • BNC Quantity• 1, Remarks• Input via Y in YUV• • | | | |
| | • •S-Video Input Quantity• ( • • S-Video Output• Quantity:) | | | |
| | • SCART• • Full SCART • Video Input • •YUV Input • •S-Video • •RGB• •Video Output• • | | | |
| | • Others Video or • AV• •Output or Input• • | | | |
| | Audio Connector | | | |
| | • Audio Input• • RCA • Others• • 3.5 • | | • Audio Output 5.1 • | |
| | • Audio OutputL/R• •• RCA • Others• • | | • Bass Output• Audio Jack• • | |
| | • Audio • RCA• • | • Audio digital optical | • Speaker Output | |

**Packing**

| | | | |
|---|---|---|---|
| Unit Size(w×h×d, mm) | 950X569X218mm | Net Weight(kg) | 15.5KG |
| Packing Size(w×h×d, mm) | 837X650X292mm | Gross Weight(kg) | 18KG |



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# 3. BOM LIST

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 08-L3026S-AMY | | 1 | | |
| 09-FM5817-STX | SMD DIODE FM5817 | 1 | D8004 | |
| 09-FM5817-STX | SMD DIODE FM5817 | 1 | D8005 | |
| 09-FM5817-STX | SMD DIODE FM5817 | 1 | D8006 | |
| 09-FM5817-STX | SMD DIODE FM5817 | 1 | D8007 | |
| 09-LL4148-ATX | SMD. SWITCHING DIODE LL4148 | 1 | D8001 | |
| 09-LL4148-ATX | SMD. SWITCHING DIODE LL4148 | 1 | D8002 | |
| 09-LL4148-ATX | SMD. SWITCHING DIODE LL4148 | 1 | D8003 | |
| 09-LL4148-ATX | SMD. SWITCHING DIODE LL4148 | 1 | D8008 | |
| 09-RLZ5B1-DTX | SMD. ZENER DIODE RLZ5.1B | 1 | D8009 | |
| 11-A124ES-QBX | TRANSISTOR PDTA124ES (PNP) | 1 | Q8002 | |
| 12-BC857A-QBX | SMD TRANSISTOR BC857A (PNP) | 1 | Q8001 | |
| 13-TA2024-00B | IC TA2024 | 1 | IC8001 | |
| 18-EG0478-JHX | RES. FUS. 0.47 OHM 2W +/-5% | 1 | R8014 | |
| 19-BB0000-JTX | SMD. RES 0 OHM 1/10W +/-5% | 1 | R8016 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R8001 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R8003 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R8002 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R8004 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R8005 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R8006 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R8017 | |
| 19-BB0203-JTX | SMD. RES 20k OHM 1/10W +/-5% | 1 | R8010 | |
| 19-BB0203-JTX | SMD. RES 20k OHM 1/10W +/-5% | 1 | R8011 | |
| 19-BB0474-JTX | SMD. RES 470k OHM 1/10W +/-5% 0805 | 1 | R8007 | |
| 19-BB0822-JTX | SMD. RES 8.2k OHM 1/10W +/-5% | 1 | R8009 | |
| 19-CD0100-JTX | RES. MELF 10 OHM 1/4W +/-5% | 1 | R8012 | |
| 19-CD0100-JTX | RES. MELF 10 OHM 1/4W +/-5% | 1 | R8013 | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C8007 | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C8008 | |
| 25-BDB221-M1X | CAP. ELEC 220 UF 25V +/-20% | 1 | C8006 | |
| 25-BFB109-M1X | CAP. ELEC 1 UF 50V +/-20% | 1 | C8009 | |
| 25-HCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C8005 | |
| 25-HCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | C8023A | |
| 25-HCB471-M1X | CAP. ELEC 470 UF 16V +/-20% | 1 | C8025 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8010 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8011 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8012 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8013 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8014 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8015 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8022 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C8023 | |
| 28-BB0224-ZFX | SMD. CAP 0.22UF 50V +80%/-20% 0805 | 1 | C8016 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C8017 | |
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C8018 | |
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C8019 | |
| 28-BB0472-KBX | SMD CAP 4700PF 50V +/-10% | 1 | C8001 | |
| 28-BB0472-KBX | SMD CAP 4700PF 50V +/-10% | 1 | C8002 | |
| 28-BB0474-ZFX | SMD CAP 0.47UF 50V +80%-20% | 1 | C8020 | |
| 28-BB0474-ZFX | SMD CAP 0.47UF 50V +80%-20% | 1 | C8021 | |
| 33-BLN102-NTX | SMD COLL FBMH4525HM102NT | 1 | L8003 | |
| 33-BLN102-NTX | SMD COLL FBMH4525HM102NT | 1 | L8008 | |
| 33-BLN102-NTX | SMD COLL FBMH4525HM102NT | 1 | L8009 | |
| 33-BLN102-NTX | SMD COLL FBMH4525HM102NT | 1 | L8010 | |
| 33-BLN102-NTX | SMD COLL FBMH4525HM102NT | 1 | L8011 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L8001 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L8002 | |
| 34-R100K2-10X | COIL CHOKE SG9006 10UH +/-20% | 1 | L8004 | |
| 34-R100K2-10X | COIL CHOKE SG9006 10UH +/-20% | 1 | L8005 | |
| 34-R100K2-10X | COIL CHOKE SG9006 10UH +/-20% | 1 | L8006 | |
| 34-R100K2-10X | COIL CHOKE SG9006 10UH +/-20% | 1 | L8007 | |
| 46-33079W-02X | PIN BASE *2 TJC3-2A | 1 | S8001 | |
| 46-35199W-07X | CONN PH-7A PITCH=2.0MM 7PIN | 1 | S5802 | |
| 46-35200W-02X | CONN. VH-2A 2PIN PICTCH=3.96MM | 1 | S1005 | |
| 46-39388H-02X | HS 2P 2468#22 600M TJC3-2Y*2 | 1 | | FROM AMY S8001 TO SPY J2 |
| 46-39388H-02X0A | HS 2P 2468#22 600M TJC3-2Y*2 | 1 | | FROM AMY S8002 TO SPY BD J3 |
| 19-BB0103-JTX | SMD RES 10k OHM 1/10W +/-5% | 1 | R8015 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R8008 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D8011 | |
| 46-35199W-02X | CONN PH-2A 2PIN PITCH=2 OMM | 1 | S8005 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D8010 | |
| 46-33079W-02X | PIN BASE *2 TJC3-2A | 1 | S8002 | |
| 46-39469H-02X01 | HS 2P 2468#26 650MM PH-2Y/PH-2Y | 1 | | FOR S8005 |
| 40-3026WS-AMC | P C B AM BD 200X155/6MM FR-4 94V0 | 1 | | |
| 25-BFB108-M1X | CAP ELEC 0.1 UF 50V +/-20% | 1 | C8003 | |
| 25-BFB108-M1X | CAP ELEC 0.1 UF 50V +/-20% | 1 | C8004 | |
| 08-L3026S-DIY | | 1 | | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D1 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D10 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D11 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D12 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D2 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D3 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D4 | |
| 10-1N5820-FOX | DIODE 1N5820 | 1 | D5 | |
| 12-C144ET-0BX | SMD TRANSISTOR PDTC144ET | 1 | Q6 | |
| 12-BC847A-0BX | SMD TRANSISTOR BC847A (NPN) | 1 | Q8 | |
| 12-C144ET-0BX | SMD TRANSISTOR PDTC144ET | 1 | Q4 | |
| 13-00M24C-04P | IC 4K EEPROM M24C04-BN6 | 1 | U29 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 13-024LC1-6BB | IC 24LC16B | 1 | U22 | |
| 13-024LC2-1AP | IC 24LC21A | 1 | U8 | |
| 13-0AD988-3AB | IC AD9883 | 1 | U3 | |
| 13-0DS181-9CB | IC DS1819CR5 | 1 | U27 | |
| 13-0LM259-6SB | IC LM2596(TO-263) | 1 | U25 | |
| 13-74LV37-3AB | IC LV373A | 1 | U21 | |
| 13-AIC111-7MB | IC AIC1117MPX-2.5 | 1 | U9 | |
| 13-BGA388-00B | IC BGA388 | 1 | U11 | |
| 13-FL12200-00B | IC FL12200 | 1 | U6 | |
| 13-IC1084-CMB | IC AIC1084-33CM 3.3V (TO-263) | 1 | U5 | |
| 13-K4S643-23B | IC K4S643232C-TC60 | 1 | U12 | |
| 13-K4S643-23B | IC K4S643232C-TC60 | 1 | U13 | |
| 13-K4S643-23B | IC K4S643232C-TC60 | 1 | U7 | |
| 13-LD1117-33B | IC LD1117 3.3V | 1 | U1 | |
| 13-LD1117-33B | IC LD1117 3.3V | 1 | U15_1 | |
| 13-P87C52-X2B | IC P87C52X2BA | 1 | U19 | |
| 13-RT9172-N25 | IC RT9172N-25CM5 | 1 | U26 | |
| 13-SI9953-DYB | IC SI9953DY(8-PIN) | 1 | U14 | |
| 13-SN74AH-C1B | IC SN74AHC139 | 1 | U20 | |
| 13-63LVDM-83B | IC THC63LVDM83R | 1 | U13-1 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | OR13 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | OR8 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R12-3 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R167 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R181 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R201 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R209 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R210 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R211 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R215 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R219 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R30 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R34 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R38 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R5 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R58 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R59 | |
| 19-BB0100-JTX | RES SMD 10 OHM 1/10W +/-5% | 1 | R54 | |
| 19-BB0100-JTX | RES SMD 10 OHM 1/10W +/-5% | 1 | R55 | |
| 19-BB0100-JTX | RES SMD 10 OHM 1/10W +/-5% | 1 | R57 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | OR2 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | OR3 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | OR4 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R102 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R208 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R23 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R44 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R45 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R46 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R47 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R12 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R13 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R195 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R196 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R206 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R48 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R49 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | OR11 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R10 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R107 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R108 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R18 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R19 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R20 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R21 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R22 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R3 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R50 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R51 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R52 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R6 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R61 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R62 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R63 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R9 | |
| 19-BB0330-JTX | SMD. RES 33 OHM 1/10W +/-5% 0805 | 1 | R7 | |
| 19-BB0330-JTX | SMD. RES 33 OHM 1/10W +/-5% 0805 | 1 | R8 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R15 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R165 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R13-5 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R13-6 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R13-7 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R13-8 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R53 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R60 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R87 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R11-1 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R191 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R192 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R193 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R194 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R25 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R26 | |
| 19-BB0332-JTX | SMD. RES 3.3k OHM 1/10W +/-5% | 1 | R2 | |
| 19-BB0391-JTX | RES. SMD 390 OHM 1/10W +/-5% | 1 | R174 | |
| 19-BB0470-JTX | SMD. RES 47 OHM 1/10W +/-5% | 1 | R187 | |
| 19-BB0470-JTX | SMD. RES 47 OHM 1/10W +/-5% | 1 | R212 | |
| 19-BB0470-JTX | SMD. RES 47 OHM 1/10W +/-5% | 1 | R56 | |
| 19-BB0470-JTX | SMD. RES 47 OHM 1/10W +/-5% | 1 | R182 | |
| 19-BB0470-JTX | SMD. RES 47 OHM 1/10W +/-5% | 1 | R183 | |
| 19-BB0471-JTX | SMD. RES 470 OHM 1/10W +/-5% | 1 | R199 | |
| 19-BB0471-JTX | SMD. RES 470 OHM 1/10W +/-5% | 1 | R200 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R14 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R169 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R171 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R172 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R173 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R177 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R179 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R190 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R198 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R218 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R24 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R4 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R72 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R73 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R75 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R79 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R93 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R94 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R103 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R90 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R78 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R100 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R225 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R28 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R29 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R32 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R33 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R36 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R37 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R98 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R99 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP17 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP19 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP21 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP23 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP25 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP27 | |
| 23-A08101-JBX | NETWORK RES. 100 OHM +/-5% | 1 | RP28 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP1 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP10 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP11 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP12 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP13 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP14 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP15 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP2 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP29 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP3 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP30 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP31 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP32 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP33 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP34 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP35 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP36 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP37 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP38 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP4 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP5 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP6 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP7 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP8 | |
| 23-A08220-JBX | NETWORK RES. 22 OHM +/-5% | 1 | RP9 | |
| 25-BDA471-M1X | CAP. ELEC 470 UF 25V +/-20% | 1 | C200 | |
| 25-BDB221-M1X | CAP. ELEC 220 UF 25V +/-20% | 1 | C201 | |
| 28-BB0100-JCX | SMD CAP 10 PF 50V +/-5% | 1 | C223 | |
| 28-BB0100-JCX | SMD CAP 10 PF 50V +/-5% | 1 | C454 | |
| 28-BB0100-JCX | SMD CAP 10 PF 50V +/-5% | 1 | C94 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C425 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C426 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C427 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C428 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C430 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C85 | |
| 28-BB0101-JCX | SMD CAP. 100 PF 50V C 0805 | 1 | C86 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C10 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C102 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C103 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C105 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C117 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C12 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C14 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C16 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C18 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C89 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C96 | |
| 28-BB0103-KBX | SMD. CAP 10nF 50V +/-10% 0805 | 1 | C436 | |
| 28-BB0103-KBX | SMD. CAP 10nF 50V +/-10% 0805 | 1 | C437 | |
| 28-BB0103-KBX | SMD. CAP 10nF 50V +/-10% 0805 | 1 | C438 | |
| 28-BB0103-KBX | SMD. CAP 10nF 50V +/-10% 0805 | 1 | C439 | |
| 28-BB0103-KBX | SMD. CAP 10nF 50V +/-10% 0805 | 1 | C440 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C13-7 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C13-8 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C462 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C237 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C100 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C101 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C107 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C108 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C11 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C111 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C113 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C115 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C118 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C119 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C120 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C123 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C124 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C125 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C126 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C127 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C128 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C129 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C13 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C130 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C131 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C148 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C149 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C15 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C152 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C158 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C159 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C160 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C161 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C162 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C163 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C164 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C165 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C166 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C167 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C168 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C169 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C17 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C171 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C172 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C173 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C13-6 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C464 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C19 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C202 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C204 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C209 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C211 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C212 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C213 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C214 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C215 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C216 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C224 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C26 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C27 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C28 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C29 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C3 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C30 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C31 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C32 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C33 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C34 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C39 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C40 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C404 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C422 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C423 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C431 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C432 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C433 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C435 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C449 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C45 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C450 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C451 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C452 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C453 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C46 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C469 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C47 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C48 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C49 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C50 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C51 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C52 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C53 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C54 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C55 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C56 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C57 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C59 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C60 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C61 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C62 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C63 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C64 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C65 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C66 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C67 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C68 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C69 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C70 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C71 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C72 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C73 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C74 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C8 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C87 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C9 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C98 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C99 | |
| 28-BB0221-JCX | SMD CAP 220 PF 50V +/-5% | 1 | C466 | |
| 28-BB0221-JCX | SMD CAP 220 PF 50V +/-5% | 1 | C481 | |
| 28-BB0229-BCX | SMD CAP 2.2 pF 50V +/-0.1pF (0805) | 1 | C76 | |
| 28-BB0229-BCX | SMD CAP 2.2 pF 50V +/-0.1pF (0805) | 1 | C78 | |
| 28-BB0229-BCX | SMD CAP 2.2 pF 50V +/-0.1pF (0805) | 1 | C80 | |
| 28-BB0331-JCX | SMD CAP 330PF 50V +/-5% | 1 | C93 | |
| 28-BB0392-KBX | SMD CAP 3.9NF 50V +/-10% | 1 | C6 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C5 | |
| 28-BB0470-JCX | SMD CAP 47 PF 50V +/-5% | 1 | C35 | |
| 28-BB0470-JCX | SMD CAP 47 PF 50V +/-5% | 1 | C7 | |
| 28-BB0473-KBX | CAP SMD | 1 | C20 | |
| 28-BB0473-KBX | CAP SMD | 1 | C22 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0473-KBX | CAP SMD | 1 | C24 | |
| 28-BB0479-JCX | SMD CAP 4 7PF 50V +/-5% | 1 | C21 | |
| 28-BB0479-JCX | SMD CAP 4 7PF 50V +/-5% | 1 | C23 | |
| 28-BB0479-JCX | SMD CAP 4.7PF 50V +/-5% | 1 | C25 | |
| 28-BB0331-JCX | SMD CAP 330PF 50V +/-5% | 1 | C175 | |
| 28-BB0331-JCX | SMD CAP 330PF 50V +/-5% | 1 | C92 | |
| 28-CC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% 6032 | 1 | C448 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C1 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C144 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C145 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C13-5 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C465 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C463 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C206 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C207 | |
| 28-CC0226-MTX | TANTALUM CAP 22 UF 16VDC +/-20% 6032 | 1 | C208 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C205 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C41 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C43 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C44 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C58 | |
| 28-DC0107-MTX | TANTALUM CAP 100 UF 16VDC +/-20% | 1 | C203 | |
| 28-DC0107-MTX | TANTALUM CAP 100 UF 16VDC +/-20% | 1 | C467 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C170 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C226 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C227 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C447 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C473 | |
| 19-CD0000-JTX | RES SMD 0 OHM 1206 | 1 | CX1 | |
| 19-CD0000-JTX | RES SMD 0 OHM 1206 | 1 | CX3 | |
| 19-CD0000-JTX | RES SMD 0 OHM 1206 | 1 | CX5 | |
| 33-ELL339-KTX | SMD COIL 3.3 UH +/-10% 0805 | 1 | L2 | |
| 33-ELL339-KTX | SMD COIL 3 3 UH +/-10% 0805 | 1 | L3 | |
| 33-ELL339-KTX | SMD COIL 3 3 UH +/-10% 0805 | 1 | L4 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB11 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB12 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB13 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB14 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB15 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB16 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB17 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB18 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB19 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB2 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB20 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB21 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB22 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB23 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB25 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB26 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB3 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB50 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB51 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB52 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB54 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB55 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB56 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB57 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB7 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB75 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB76 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB77 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB78 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB79 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | R1 | |
| 36-LIF020-XX0 | LINE FILTER LC-33-TCL | 1 | L1 | |
| 45-OSC14M-3NO | CRYSTAL 14.318MHz | 1 | U10 | |
| 46-35199W-04X | CONN.PH-4A 4PIN PITCH=2.0MM | 1 | P25 | |
| 46-35199W-05X | CONN.PH-5A 5PIN PITCH=2.0MM | 1 | P8 | |
| 46-35199W-10X | CONN. PH-10 10PIN PITCH=2.0mm | 1 | P14 | |
| 46-39000W-20X | PIN BASE DF14-20P(WF) 1.25PITCH | 1 | CN14 | |
| 47-DVI001-KX0 | DVI SOCKET KL-DIVO24-04A | 1 | P10 | |
| 47-ICS007-XX0 | IC SOCKET PLCC-SMT-44P | 1 | | FOR U19 |
| 47-ICS009-XX0 | IC SOCKET 8P | 1 | | FOR U29 |
| 47-ICS009-XX0 | IC SOCKET 8P | 1 | FOR U8 | |
| 47-SCA001-XX0 | SCART SOCKET 21 PINS SS101-P | 1 | P17 | |
| 47-340971-50X | VGA SOCKET | 1 | P11 | |
| 40-3026WS-D1B | P.C.B. DIGITAL BD | 1 | | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R77 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C470 | |
| 28-DE0106-MTX | SMD CAP 35V 10UF +/-20% | 1 | C468 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB60 | |
| 33-ELN201-NTX | CHIP BEAD 200 OHM +/-25% | 1 | FB61 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB32 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB35 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB40 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB41 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB53 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB58 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB59 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB62 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB63 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB64 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB65 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB66 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB67 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB68 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB69 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB70 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB71 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB72 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB73 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB74 | |
| 33-GLN121-NTX | CHIP BEAD 120 OHM +/-25% | 1 | FB8 | |
| 09-BAV70L-ATX | SMD DIODE BAV70LT1(SOT-23) | 1 | D6 | |
| 09-BAV70L-ATX | SMD DIODE BAV70LT1(SOT-23) | 1 | D7 | |
| 09-BAV70L-ATX | SMD DIODE BAV70LT1(SOT-23) | 1 | D8 | |
| 46-35200W-02X | CONN VH-2A 2PIN PICTCH=3.96MM | 1 | P24 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R228 | |
| 46-39365H-04X | HS 4P 1185#26 250MM PH-4Y*2 | 1 | | FROM DIGITAL BD P25 TO RECEIVE BD J2 |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C106 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C109 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C110 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C112 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C121 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C15-2 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C225 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C42 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C474 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C75 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C77 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C79 | |
| 13-SI1161-00B | IC SI1161BCT100 | 1 | U28 | |
| 50-030008-NUU | FUSE R2510D3-3A | 1 | F2 | |
| 67-387190-0A0 | HEAT SINK | 1 | | FOR U11 |
| 67-387190-0A0 | HEAT SINK | 1 | | FOR U6 |
| 67-387190-1A0 | HEAT SINK | 1 | | FOR U7 |
| 67-387190-1A0 | HEAT SINK | 1 | | FOR U12 |
| 67-387190-1A0 | HEAT SINK | 1 | | FOR U13 |
| 47-ICS003-XX0 | IC JACK | 1 | | FOR U23 |
| 67-387200-1A0 | HEAT SINK | 1 | | FOR U3 |
| 46-35199W-03X | PIN BASE *3 PITCH=2.0MM | 1 | | P7(PIN 3 TO 5) |
| 46-39382H-08X | HS 8P 1185#26/2468#26 60MM | 1 | P1 | |
| 46-39386H-20X | HS | 1 | | FROM DIY BD CN14 TO PANEL CN1 |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C104 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C114 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C116 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C2 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C38 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C4 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C424 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C429 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C434 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C90 | |
| 28-XC0106-MTX | TANTALUM CAP 10 UF 16V +/-20% | 1 | C91 | |
| 28-BB0120-JCX | SMD CAP 12 pF 50VDC +/-5% | 1 | C198 | |
| 28-BB0120-JCX | SMD CAP 12 pF 50VDC +/-5% | 1 | C199 | |
| 19-BB0221-JTX | SMD RES 220 OHM 1/10W +/-5% 0805 | 1 | | R14-1 |
| 45-OSC14M-3Y2 | CRYSTAL 14.31818MHZ | 1 | Y2 | |
| 18-FF0331-JGX | RES M O 330 OHM 1W +/-5% | 1 | | P15(PINT TO PIN4) |
| 46-35199W-04X | CONN PH-4A 4PIN PITCH=2.0MM | 1 | J4 | |
| 46-39364H-04X | HS 4P 1185#26 200MM PH-4Y*2 | 1 | | FOR J4 |
| 46-33333W-02X | CONN VH-2A 90 ANGLE PITCH=3.96 | 1 | P18 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C139 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C140 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C141 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C142 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C143 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C146 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C476 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C477 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C483 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C488 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C493 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C496 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C498 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C499 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C504 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C505 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C478 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C484 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C487 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C494 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C495 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C497 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C500 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C503 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C506 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C122 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C132 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C133 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C134 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C135 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C136 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C137 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C138 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C147 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C150 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C151 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C153 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C154 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C155 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C156 | |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | C157 | |
| 33-GLN190-NTX | CHIP BEAD 19 OHM +/-25% (3216) | 1 | FB82 | |
| 33-GLN190-NTX | CHIP BEAD 19 OHM +/-25% (3216) | 1 | FB83 | |
| 46-35199W-02X | CONN PH-2A 2PIN PITCH=2 OMM | 1 | J2 | |
| 12-BC847A-OBX | SMD TRANSISTOR BC847A (NPN) | 1 | Q11 | |
| 19-BB0472-JTX | SMD RES 4.7k OHM 1/10W +/-5% | 1 | R230 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R237 | |
| 18-CE0820-JNX | RES C.F. 82 OHM 1/2W +/-5% | 1 | R241 | |
| 19-BB0330-JTX | SMD RES 33 OHM 1/10W +/-5% 0805 | 1 | R11 | |
| 19-BB0220-JTX | SMD RES 22 OHM 1/10W +/-5% | 1 | R197 | |
| 46-35199W-05X | CONN PH-5A 5PIN PITCH=2 OMM | 1 | P2 | |
| 46-39467H-05X | HS 5P 1185#26/246B#26 80MM PH-5Y/PH-5Y | 1 | | FOR P2 TO • • • •P4002 |
| 46-39468H-03X | HS 3P 2468#26 60MM PH-3Y/PH-5Y | 1 | | FROM P8 TO • • • •P4003 |
| 13-SST39V-7CB | FLASH SST39VF020-70-4C-WH(32-PIN TSOP) | 1 | U31 | |
| 19-BB0103-JTX | SMD RES 10k OHM 1/10W +/-5% | 1 | R207 | |
| 19-BB0102-JTX | SMD RES 1k OHM 1/10W +/-5% | 1 | R205 | |
| 46-39469H-02X | HS 2P 2468#26 350MM PH-2Y/PH-2Y | 1 | | FROM J2 TO ZJY BD P604 |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | | RELAI PIN(3) TO PIN(4)• • • • |
| 43-GJSH10-5LM | RELAY GJ-SH-105LM | 1 | RELA2 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D15 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D16 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R240 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D14 | |
| 08-L3026S-ANY | | 1 | | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D5501 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D6 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D7 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D727 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D728 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D729 | |
| 09-RLZ5B1-DTX | SMD ZENER DIODE RLZ5.1B | 1 | D1 | |
| 09-RLZ5B1-DTX | SMD ZENER DIODE RLZ5.1B | 1 | D11 | |
| 10-1N4002-EBX | DIODE 1N4002 (RECTIFIER) | 1 | D801 | |
| 10-1N4002-EBX | DIODE 1N4002 (RECTIFIER) | 1 | D802 | |
| 10-1N4002-EBX | DIODE 1N4002 (RECTIFIER) | 1 | D803 | |
| 10-1N4002-EBX | DIODE 1N4002 (RECTIFIER) | 1 | D804 | |
| 12-BC847A-OBX | SMD TRANSISTOR BC847A (NPN) | 1 | Q801 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q10 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q11 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q12 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q2 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q3 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q4 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q6 | |
| 12-BC847B-OBX | NPN SMD. TRANSISTOR BC847B (SOT-23) | 1 | Q8 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q5511 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q5512 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q5513 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q701 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q702 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q703 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q704 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q705 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q711 | |
| 12-BC847C-OBX | SMD.TRANSISTOR BC847C | 1 | Q723 | |
| 12-BC857C-OBX | SMD.TRANSISTOR BC857C | 1 | Q5 | |
| 12-BC857C-OBX | SMD.TRANSISTOR BC857C | 1 | Q7 | |
| 12-BC857C-OBX | SMD.TRANSISTOR BC857C | 1 | Q9 | |
| 13-K6T400-70B | 3.3V 4M CMOS SRAM K6T4008V1C-GB70 | 1 | IC703 | |
| 13-L7805C-VAP | IC L7805CV 1.5A (REGULATOR) | 1 | IC802 | |
| 13-LD1117-33B | IC LD1117 3.3V | 1 | IC803 | |
| 13-LD1117-33B | IC LD1117 3.3V | 1 | IC805 | |
| 13-LD1117-50B | 5.0V IC LD1117S50 | 1 | IC804 | |
| 13-M24C32-MNB | IC M24C32-MMN6(SO8) | 1 | IC704 | |
| 13-MSP341-1AB | IC MSP3411G(PLQFP64) | 1 | IC5502 | |
| 13-PQ09RD-11S | IC PQ09RD11 (9V LL REGULATOR) | 1 | IC801 | |
| 13-TDA130-8TB | IC TDA1308T (SO8) | 1 | IC5830 | |
| 13-TEA641-5CB | IC TEA6415CD (SO20) | 1 | IC5501 | |
| 13-VCT383-4AB | IC VCT3834A | 1 | IC701 | |
| 18-EE0478-JNX | RES. FUSE 0.47 OHM 1/2W +/-5% | 1 | R811 | |
| 18-FF0470-JGX | RES M.O. 47 OHM 1W +/-5% | 1 | R809 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | C5570A | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R11 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R5539 | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R5832A | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R5833A | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R751 | |
| 19-BB0100-JTX | RES SMD 10 OHM 1/10W +/-5% | 1 | R10 | |
| 19-BB0100-JTX | RES SMD 10 OHM 1/10W +/-5% | 1 | R22 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R19 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R27 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R34 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R5510 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5512 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5514 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5516 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5528 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5531 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5532 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5577 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R5578 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R735 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R792 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R793 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R794 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R795 | |
| 19-BB0000-JTX | SMD. RES 0 OHM 1/10W +/-5% | 1 | R1001 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R20 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R28 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R35 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R39 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R5552 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R5557 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R58 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R62 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R7 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R1002 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R43 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R45 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5524A | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5525A | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5526A | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5527A | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5551 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5556 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R5561 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R57 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R701 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R702 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R714 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R715 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R725 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R749 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R762 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R801 | |
| 19-BB0104-JTX | SMD. RES 100k OHM 1/10W +/-5% 0805 | 1 | R5537 | |
| 19-BB0122-JTX | SMD. RES 1.2k OHM 1/10W +/-5% | 1 | R750 | |
| 19-BB0181-FTX | SMD. RES 180 OHM 1/8W +/-1% 0805 | 1 | R16 | |
| 19-BB0183-FTX | SMD. RES 180 OHM 1/8W +/-1% 0805 | 1 | R24 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0181-FTX | SMD. RES 180 OHM 1/8W +/-1% 0805 | 1 | R31 | |
| 19-BB0183-JTX | SMD. RES 18k OHM 1/10W +/-5% | 1 | R12 | |
| 19-BB0183-JTX | SMD. RES 18k OHM 1/10W +/-5% | 1 | R42 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R001 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R002 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R003 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R004 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R005 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R006 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R007 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R008 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R009 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R010 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R011 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R012 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R013 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R014 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R015 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R016 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R017 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R018 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R019 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R020 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R021 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R022 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R023 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R024 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R025 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R026 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R027 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R028 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R029 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R030 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R031 | |
| 19-BB0220-JTX | SMD. RES 22 OHM 1/10W +/-5% | 1 | R780 | |
| 19-BB0000-JTX | SMD. RES 0 OHM 1/10W +/-5% | 1 | R1003 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R1004 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R5522 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R5523 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R5550 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R5555 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R5560 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R69 | |
| 19-BB0222-JTX | SMD. RES 2.2k OHM 1/10W +/-5% | 1 | R40 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R17 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R25 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R32 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R5501A | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R703 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R717 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R737 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R744 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R804 | |
| 19-BB0241-JTX | RES. SMD 240 OHM 1/10W +/-5% | 1 | R70 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5511 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5513 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5515 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5517 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5524 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5525 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5526 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R5527 | |
| 19-BB0271-JTX | SMD. RES 270 OHM 1/10W +/-5% | 1 | R9 | |
| 19-BB0332-JTX | SMD. RES 3.3k OHM 1/10W +/-5% | 1 | R63 | |
| 19-BB0332-JTX | SMD. RES 3.3k OHM 1/10W +/-5% | 1 | R64 | |
| 19-BB0332-JTX | SMD. RES 3.3k OHM 1/10W +/-5% | 1 | R65 | |
| 19-BB0333-JTX | SMD. RES 33k OHM 1/10W +/-5% | 1 | R706 | |
| 19-BB0333-JTX | SMD. RES 33k OHM 1/10W +/-5% | 1 | R709 | |
| 19-BB0361-FTX | SMD. RES 360 OHM 1/8W +/-1% 0805 | 1 | R18 | |
| 19-BB0361-FTX | SMD. RES 360 OHM 1/8W +/-1% 0805 | 1 | R26 | |
| 19-BB0361-FTX | SMD. RES 360 OHM 1/8W +/-1% 0805 | 1 | R33 | |
| 19-BB0392-JTX | SMD. RES 3.9k OHM 1/10W +/-5% 0805 | 1 | R5830 | |
| 19-BB0392-JTX | SMD. RES 3.9k OHM 1/10W +/-5% 0805 | 1 | R5831 | |
| 19-BB0273-JTX | SMD. RES 27k OHM 1/10W +/-5% | 1 | R5832 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R44 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R5834 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R5834A | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R5835 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R5835A | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R6 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R61 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R66 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R726 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R727 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R730 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R733 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R763 | |
| 19-BB0472-JTX | SMD. RES 4.7k OHM 1/10W +/-5% | 1 | R764A | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R705 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R708 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R728 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R729 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R731 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R732 | |
| 19-BB0562-JTX | SMD. RES 5.6k OHM 1/10W +/-5% | 1 | R13 | |
| 19-BB0562-JTX | SMD. RES 5.6k OHM 1/10W +/-5% | 1 | R8 | |
| 19-BB0681-JTX | SMD. RES 680 OHM 1/10W +/-5% | 1 | R5547 | |
| 19-BB0681-JTX | SMD. RES 680 OHM 1/10W +/-5% | 1 | R5548 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R37 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R38 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R739 | |
| 19-BB0683-JTX | SMD. RES 68k OHM 1/10W +/-5% | 1 | R718 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R21 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R29 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R36 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5533 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5536 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5540 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5554 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5555A | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5556A | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5562 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5563 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5570 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5571 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5572 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R5573 | |
| 19-BB0820-FTX | SMD. RES 82 OHM 1/10W +/-1% 0805 | 1 | R15 | |
| 19-BB0820-FTX | SMD. RES 82 OHM 1/10W +/-1% 0805 | 1 | R23 | |
| 19-BB0820-FTX | SMD. RES 82 OHM 1/10W +/-1% 0805 | 1 | R30 | |
| 19-BB0823-JTX | SMD. RES 82k OHM 1/10W +/-5% | 1 | R5538 | |
| 19-CD0000-JTX | RES.SMD 0 OHM 1206 | 1 | BR702 | |
| 19-CD0000-JTX | RES.SMD 0 OHM 1206 | 1 | BR711 | |
| 19-CD0103-JTX | SMD. RES 10KOHM 1/4W +/-5% 1206 | 1 | R53 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C4 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C5523 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C5524 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C5579 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C714 | |
| 25-BBB101-M1X | CAP. ELEC 100UF 10V +/-20% | 1 | C788 | |
| 25-BCB101-M1X | CAP. ELEC 100 UF 16V +/-20% | 1 | C811 | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C802 | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C806 | |
| 25-BCB221-M1X | CAP. ELEC 220 UF 16V +/-20% | 1 | C808 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C5834 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C745 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C750 | |
| 25-BCB470-M1X | CAP. ELEC 47 UF 16V +/-20% | 1 | C753 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C756 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C762 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C765 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C768 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C771 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C774 | |
| 25-BCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C821 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C5520 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C785 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C801 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C809 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C814 | |
| 25-BCB471-M1X | CAP ELEC 470 UF 16V +/-20% | 1 | C833 | |
| 25-BDB479-M1X | CAP ELEC 4 7 UF 25V +/-20% | 1 | C5503A | |
| 25-BFB108-M1X | CAP ELEC 0 1 UF 50V +/-20% | 1 | C5835 | |
| 25-BFB108-M1X | CAP ELEC 0 1 UF 50V +/-20% | 1 | C5835A | |
| 25-BFB109-M1X | CAP ELEC 1 UF 50V +/-20% | 1 | C716 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C20 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C21 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C5510 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C5512 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C5514 | |
| 25-BFB229-M1X | CAP ELEC 2 2 UF 50V +/-20% | 1 | C5516 | |
| 25-BFB339-M1X | CAP ELEC 3 3 UF 50V +/-20% | 1 | C5526 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5501 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5525 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5550 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5553 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5836 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C5837 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C701 | |
| 25-HCB100-M1X | CAP ELEC 10 UF 16V +/-20% | 1 | C710 | |
| 25-HCB220-M1X | CAP ELEC 22 UF 16V +/-20% | 1 | C5576 | |
| 25-HCB220-M1X | CAP ELEC 22 UF 16V +/-20% | 1 | C742 | |
| 25-HCB221-M1X | CAP ELEC 220 UF 16V +/-20% (6.3X7.7) | 1 | C819 | |
| 25-HCB470-M1X | CAP ELEC 47 UF 16V +/-20% | 1 | C759 | |
| 28-BB0101-JCX | SMD CAP 100 PF 50V C 0805 | 1 | C3 | |
| 28-BB0101-JCX | SMD CAP 100 PF 50V C 0805 | 1 | C5 | |
| 28-BB0101-JCX | SMD CAP 100 PF 50V C 0805 | 1 | C5574 | |
| 28-BB0101-JCX | SMD CAP 100 PF 50V C 0805 | 1 | C5575 | |
| 28-BB0101-JCX | SMD CAP 100 PF 50V C 0805 | 1 | C6 | |
| 28-BB0102-KBX | SMD CAP 0 001UF 50V B 0805 | 1 | C5504 | |
| 28-BB0102-KBX | SMD CAP 0 001UF 50V B 0805 | 1 | C5505 | |
| 28-BB0102-KBX | SMD CAP 0 001UF 50V B 0805 | 1 | C5552 | |
| 28-BB0102-KBX | SMD CAP 0 001UF 50V B 0805 | 1 | C5838 | |
| 28-BB0102-KBX | SMD CAP 0 001UF 50V B 0805 | 1 | C5839 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5840 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5841 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C704 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C705 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C720 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C731 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C732 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C743 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C5834A | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C803 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C805 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C807 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C810 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C813 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C818 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C820 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C834 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C2 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C5502 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C5527 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C5551 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C5554 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C5578 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C702 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C703 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C713 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C746 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C747 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C751 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C754 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C757 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C760 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C763 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C766 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C769 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C772 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C775 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C784 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C786 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C812 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C817 | |
| 28-BB0120-JCX | SMD CAP 12 pF 50VDC +/-5% | 1 | C5557 | |
| 28-BB0120-JCX | SMD CAP 12 pF 50VDC +/-5% | 1 | C5558 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5830 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5831 | |
| 28-BB0221-JCX | SMD CAP 220 PF 50V +/-5% | 1 | C5518 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5536 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5538 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5540 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5542 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5544 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C5546 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C712 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C752 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C755 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C758 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C761 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C764 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C767 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C770 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C773 | |
| 28-BB0222-KBX | SMD CAP 2200PF 50V +/-10% | 1 | C776 | |
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C5533 | |
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C5584 | |
| 28-BB0224-ZFX | SMD CAP 0.22UF 50V +80%/-20% 0805 | 1 | C5585 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5535 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5537 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5539 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5541 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5543 | |
| 28-BB0334-ZFX | SMD CAP 0.33UF 50V +80%/-20% | 1 | C5545 | |
| 28-BB0472-KBX | SMD CAP 4700PF 50V +/-10% | 1 | C1 | |
| 28-BB0473-ZFX | SMD CAP 0.047UF 50V +80%-20% | 1 | C711 | |
| 28-BB0560-JCX | SMD CAP 56PF 50V +/-5% | 1 | C5556 | |
| 28-BB0560-JCX | SMD CAP 56PF 50V +/-5% | 1 | C5560 | |
| 28-BB0560-JCX | SMD CAP 56PF 50V +/-5% | 1 | C5561 | |
| 28-BB0683-ZFX | SMD CAP 0.068UF 50V +80%-20% | 1 | C740 | |
| 28-BB0683-ZFX | SMD CAP 0.068UF 50V +80%-20% | 1 | C741 | |
| 28-BB0683-ZFX | SMD CAP 0.068UF 50V +80%-20% | 1 | C744 | |
| 28-CC0476-MTX | TANTALUM CAP 47 UF 16V +/-20% 6032 | 1 | C804 | |
| 28-CD0684-KBX | SMD CAP 0.68UF 25V +/-10% | 1 | C722 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L1 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L5501 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L5504 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L5830 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5570 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5571 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5572 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5573 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5574 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5575 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L801 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L802 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z5501 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z701 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z710 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z711 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z712 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z713 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z714 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z715 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z716 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z717 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z718 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z719 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z720 | |
| 33-DLL331-KTX | SMD COLL LQH32MN331K23L | 1 | L5502 | |
| 33-DLL331-KTX | SMD COLL LQH32MN331K23L | 1 | L701 | |
| 33-DLL331-KTX | SMD COLL LQH32MN331K23L | 1 | L712 | |
| 36-LIF020-XX0 | LINE FILTER LC-33-TCL | 1 | L810 | |
| 40-3026WS-MAC | P.C.B MAIN PCB BD | 1 | | |
| 50-03000B-NUU | FUSE R251003-3A | 1 | R812 | |
| 45-OSC18M-4Y2 | CRYSTAL 18.432MHz (CL=12pF) | 1 | Z5502 | |
| 45-OSC20M-2Y0 | CRYSTAL 20.25MHZ | 1 | Z202 | |
| 46-35199W-05X | CONN.PH-5A 5PIN PITCH=2.0MM | 1 | P1002 | |
| 46-35199W-04X | CONN.PH-4A 4PIN PITCH=2.0MM | 1 | P5801 | |
| 46-35199W-08X | CONN.PH-8A 8PIN PITCH=2.0MM | 1 | P1001 | |
| 46-35199W-08X | CONN.PH-8A 8PIN PITCH=2.0MM | 1 | S5504 | |
| 46-35199W-10X | CONN. PH-10 10PIN PITCH=2.0mm | 1 | P5540 | |
| 46-35199W-15X | CONN. PH-15A PITCH=2.0mm | 1 | S601 | |
| 46-35200W-02X | CONN. VH-2A 2PIN PICTCH=3.96MM | 1 | P1004 | |
| 46-35200W-02X | CONN. VH-2A 2PIN PICTCH=3.96MM | 1 | P1005 | |
| 47-SCA001-XX0 | SCART SOCKET 21 PINS SS101-P | 1 | X5510 | |
| 47-SCA001-XX0 | SCART SOCKET 21 PINS SS101-P | 1 | X5520 | |
| 64-B30120-104 | M/C SCREW B 3 X 12 | 1 | | FOR IC802 |
| 64-P30140-104 | M/C SCREW P 3 X 14 ZINC | 1 | | FOR IC801 |
| 65-Z30050-23M | NUT M 3 | 1 | | FOR IC801 |
| 65-Z30050-23M | NUT M 3 | 1 | | FOR IC802 |
| 67-H36880-0A9 | HEAT SINK | 1 | | FOR IC801 |
| 67-H36880-0A9 | HEAT SINK | 1 | | FOR IC802 |
| 46-39363H-02X | HS 2P 1007 #18 60MM VH-2Y*2 | 1 | | FROM DIGITAL BD P24 TO ANOLOG BD P1004 |
| 46-39364H-04X01 | HS 4P 1185#26 300MM PH-4Y*2 | 1 | | FROM ANOLOG BD P5801 TO RECEIVE BD J3 |
| 46-39363H-02X01 | HS 2P 1007 #18 200MM VH-2Y*2 | 1 | | FROM ANOLOG BD P1005 TO ANOLOG BD S1005 |
| 46-39366H-07X | HS 7P 2464 #26/1185#26 100MM PH-7Y | 1 | P5802 | |
| 46-39367H-10X | HS 10P 1185#26/2468#26 200MM PH-10Y*2 | 1 | | FROM ANOLOG BD P5504 TO DIGITAL BD P14 |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C5573 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C5574A | |
| 19-BB0273-JTX | SMD RES 27k OHM 1/10W +/-5% | 1 | R5837 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 67-S70980-OEO | SCREEN COVER | 1 | | FOR X5510 |
| 67-S70980-OEO | SCREEN COVER | 1 | | FOR X5520 |
| 28-DC0107-MTX | TANTALUM CAP. 100 UF 16VDC +/-20% | 1 | C790 | |
| 28-BB0330-JCX | SMD CAP 33PF 50V +/-5% | 1 | C5580 | |
| 28-BB0330-JCX | SMD CAP 33PF 50V +/-5% | 1 | C5582 | |
| 28-BB0330-JCX | SMD CAP 33PF 50V +/-5% | 1 | C5583 | |
| 28-BB0330-JCX | SMD CAP 33PF 50V +/-5% | 1 | C5591 | |
| 28-BB0470-JCX | SMD CAP 47 PF 50V +/-5% | 1 | C5581 | |
| 28-BB0470-JCX | SMD CAP 47 PF 50V +/-5% | 1 | C5590 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5580 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L5581 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L2 | |
| 46-35199W-03X | PIN BASE *3 PITCH=2 OMM | 1 | P1003 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5594 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5595 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5596 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5597 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5570 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5571A | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5572 | |
| 28-BB0102-KBX | SMD CAP 0.001UF 50V B 0805 | 1 | C5573A | |
| 13-M29W40-ONB | IC M29W400B8/DB(TSOP48-TS) | 1 | IC702A | |
| 46-39466H-15X | HS 15P 2468#26 1185#26/1007#26 | 1 | | FROM ANOLOG BD S601 TO ZJY BD P602,P603 |
| 28-BB0103-KBX | SMD CAP 10nF 50V +/-10% 0805 | 1 | D730 | |
| 19-BB0222-JTX | SMD RES 2.2k OHM 1/10W +/-5% | 1 | R797 | |
| 28-BB0160-JCX | SMD CAP 16 PF 50V +/-5% | 1 | C748 | |
| 28-BB0160-JCX | SMD CAP 16 PF 50V +/-5% | 1 | C749 | |
| 19-BB0103-JTX | SMD RES 10k OHM 1/10W +/-5% | 1 | R5557A | |
| 19-BB0103-JTX | SMD RES 10k OHM 1/10W +/-5% | 1 | R5558 | |
| 41-BF0050-3BB | WIRE UL 1007 #24 50MM ORG | 1 | | FOR S5504 AND P1003 |
| 28-BB0474-ZFX | SMD CAP 0.47UF 50V +80%-20% | 1 | C733 | |
| 28-BB0474-ZFX | SMD CAP 0.47UF 50V +80%-20% | 1 | C734 | |
| 28-BB0474-ZFX | SMD CAP 0.47UF 50V +80%-20% | 1 | C735 | |
| 19-BB0750-JTX | SMD RES 75 OHM 1/10W +/-5% | 1 | R5559 | |
| 19-BB0472-JTX | SMD RES 4.7k OHM 1/10W +/-5% | 1 | R5575 | |
| 19-BB0472-JTX | SMD RES 4.7k OHM 1/10W +/-5% | 1 | R5576 | |
| 28-XC0475-MTX | TANTALUM CAP 4.7 UF 16V +/-20% B | 1 | C5571 | |
| 08-L3026S-1FY | | 1 | | |
| 09-0BA982-ATX | SMD DIODE BA982-GS08 | 1 | D610 | |
| 09-0BA982-ATX | SMD DIODE BA982-GS08 | 1 | D611 | |
| 09-0BA982-ATX | SMD DIODE BA982-GS08 | 1 | D612 | |
| 09-0BAV99-ATX | HIGH SPEED DOUBLE DIODE BAV99 | 1 | D613 | |
| 09-55C33V-DTX | SMD DIODE BZV55-C33 | 1 | D614 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D601 | |
| 12-BC846B-OBX | TRANSISTORS BC846B (PNP) | 1 | Q612 | |
| 12-BC847C-OBX | SMD TRANSISTOR BC847C | 1 | Q610 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 12-BC847C-OBX | SMD TRANSISTOR BC847C | 1 | Q611 | |
| 13-TDA988-6TB | IC TDA9886T/V3 | 1 | IC601 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R618 | |
| 19-BB0101-JTX | SMD. RES 100 OHM 1/10W +/-5% | 1 | R619 | |
| 19-BB0104-JTX | SMD. RES 100k OHM 1/10W +/-5% 0805 | 1 | R616 | |
| 19-BB0104-JTX | SMD. RES 100k OHM 1/10W +/-5% 0805 | 1 | R630 | |
| 19-BB0123-JTX | SMD. RES 12k OHM 1/10W +/-5% | 1 | R601 | |
| 19-BB0123-JTX | SMD. RES 12k OHM 1/10W +/-5% | 1 | R615 | |
| 19-BB0221-JTX | SMD. RES 220 OHM 1/10W +/-5% 0805 | 1 | R614 | |
| 19-BB0222-JTX | SMD. RES 2.2k OHM 1/10W +/-5% | 1 | R14 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R604 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R608 | |
| 19-BB0223-JTX | SMD. RES 22k OHM 1/10W +/-5% | 1 | R611 | |
| 19-BB0224-JTX | SMD. RES 220K 1/10W +/-5% | 1 | R610 | |
| 19-BB0331-JTX | SMD. RES 330 OHM 1/10W +/-5% 0805 | 1 | R612 | |
| 19-BB0473-JTX | SMD. RES 47k OHM 1/10W +/-5% 0805 | 1 | R631 | |
| 19-BB0510-JTX | RES.SMD 51 OHM 1/10W +/-5% 0805 | 1 | R605 | |
| 19-BB0562-JTX | SMD. RES 5.6k OHM 1/10W +/-5% | 1 | R617 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R606 | |
| 19-BB0682-JTX | SMD. RES 6.8k OHM 1/10W +/-5% | 1 | R607 | |
| 19-BB0684-JTX | SMD. RES 680K OHM 1/10W +/-5% | 1 | R609 | |
| 19-BB0750-JTX | SMD. RES 75 OHM 1/10W +/-5% | 1 | R613 | |
| 28-DC0107-MTX | TANTALUM CAP. 100 UF 16VDC +/-20% | 1 | C638 | |
| 28-BB0102-KBX | SMD CAP. 0.001UF 50V B 0805 | 1 | C619 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C609 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C611 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C617 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C621 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C623 | |
| 28-BB0103-ZFX | SMD. CAP 10NF 50V +80%-20% | 1 | C635 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C603 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C604 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C622 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C633 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C634 | |
| 28-BB0152-KBX | SMD. CAP 1500PF 50V +/-10% | 1 | C614 | |
| 28-BB0200-JCX | SMD. CAP 20 PF 50V +/-5% | 1 | C613 | |
| 28-BB0201-JCX | SMD. CAP 200 pF 50VDC +/-5% 0805 | 1 | C631 | |
| 28-BB0224-ZFX | SMD. CAP 0.22UF 50V +80%/-20% 0805 | 1 | C610 | |
| 28-BB0271-JCX | SMD. CAP 270 PF 50V +/-5% | 1 | C632 | |
| 28-BB0391-JCX | SMD. CAP 390 PF 50V +/-5% | 1 | C618 | |
| 28-BB0472-KBX | SMD. CAP 4700PF 50V +/-10% | 1 | C630 | |
| 28-BB0474-ZFX | SMD. CAP 0.47UF 50V +80%-20% | 1 | C612 | |
| 28-BB0474-ZFX | SMD. CAP 0.47UF 50V +80%-20% | 1 | C615 | |
| 28-BB0474-ZFX | SMD. CAP 0.47UF 50V +80%-20% | 1 | C620 | |
| 28-CC0476-MTX | TANTALUM CAP. 47 UF 16V +/-20% 6032 | 1 | C601 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 28-CC0476-MTX | TANTALUM CAP. 47 UF 16V +/-20% 6032 | 1 | C602 | |
| 28-CC0476-MTX | TANTALUM CAP. 47 UF 16V +/-20% 6032 | 1 | C637 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L602 | |
| 33-DLL100-KTX | SMD COIL 10 UH +/-10% 3225 | 1 | L612 | |
| 33-ELL109-KTX | SMD COLL MGF12012CIROKT | 1 | L601 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | L606 | |
| 34-R102K7-OEX | COIL 1000 UH +/-10% | 1 | L603 | |
| 34-R102K7-OEX | COIL 1000 UH +/-10% | 1 | L604 | |
| 40-LS3026-TUC | P.C.B TUNER BD | 1 | | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J601 | |
| 41-WJ0100-B00 | WIRE BARE JUMPER 10MM | 1 | J602 | |
| 45-OSC4M0-ON10A | CRYSTAL 4.0MHz | 1 | Z601 | |
| 45-SAWK39-53D | S.A.W B39389-K3953-D100 | 1 | Z610 | |
| 45-SAWK94-53D | S.A.W B39389-K9453-D100 | 1 | Z611 | |
| 47-VGA013-XX0 | VGA SOCKET KL-VGA15F-W | 1 | S602 | |
| 08-L3026S-TCY | | 1 | | |
| 07-389F15-NX1 | FS TUNER UV1316/S L G-3 | 1 | U601 | |
| 40-LS3026-TCC | P.C.B TUNER CHANGE BD | 1 | | |
| 19-BB0000-JTX | SMD RES 0 OHM 1/10W +/-5% | 1 | R103 | |
| 08-L3026S-ZJY | | 1 | | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C641 | |
| 28-CC0476-MTX | TANTALUM CAP. 47 UF 16V +/-20% 6032 | 1 | C640 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z620 | |
| 33-ELN102-NTX | SMD COLL CBG201209U 102B | 1 | Z621 | |
| 47-340971-50X | VGA SOCKET | 1 | S602 | |
| 46-35199W-02X | CONN PH-2A 2PIN PITCH=2 OMM | 1 | P603 | |
| 46-35199W-07X | CONN PH-7A PITCH=2 OMM 7PIN | 1 | P601B | |
| 46-35199W-08X | CONN PH-8A 8PIN PITCH=2 OMM | 1 | P601A | |
| 46-39469H-02X | HS 2P 2468#26 350MM PH-2Y/PH-2Y | 1 | | FROM P603 TO · · · ·S5504 (PIN1,2) |
| 89-382910-JZ0 | EMI ALUMINUM FOIL | 1 | | |
| 46-35199W-02X | CONN PH-2A 2PIN PITCH=2 OMM | 1 | P604 | |
| 40-3026WS-ZJE | P.C.B VGA CHANGE BD | 1 | | |
| 08-L3026S-FCN | ASS'Y - FRONT CABINET | 1 | | |
| 55-707150-0HA1A | TUNER COVER | 1 | | |
| 62-707160-1HA1A | AV BRACKET | 1 | | |
| 56-707220-0HA1A | POWER KNOB | 1 | | |
| 56-707230-0HC1A | LENS | 1 | | |
| 58-709320-0U11A | INLAY KEY | 1 | | |
| 67-P70725-0E0 | LCD BRACKET "LEFT" | 1 | | |
| 67-P70725-1E0 | LCD BRACKET "RIGHT" | 1 | | |
| 67-P70726-0E0 | LCD BRACKET | 4 | | |
| 67-P70727-0E0 | LCD BACK BRACKET "LEFT" | 1 | | |
| 67-P70727-1E0 | LCD BACK BRACKET "RIGHT" | 1 | | |
| 67-P70729-1E0 | PCB BRACKET | 1 | | |
| 67-S70730-0E0 | SCREEN COVER | 1 | | |
| 67-P70731-0E0 | PCB BOX RIVET SMALL BRACKET | 2 | | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 67-P70732-0E0 | POWER PCB RIVET BRACKET | 1 | | |
| 67-P70733-0E0 | POWER PCB OR TUNER BRACKET | 1 | | |
| 67-H70734-0A0 | POWER BRACKET | 1 | | |
| 64-W40060-304 | TRIANGLE M/C SCREW W 4 X 6 | 4 | | LCD · ·LCD· · · · (··)· · |
| 64-W40060-304 | TRIANGLE M/C SCREW W 4 X 6 | 4 | | LCD· ·LCD· · · · (··)· · |
| 4A-LCD30T-LG0 | LCD 30"W LC300W01 | 1 | | |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 5 | | · · · ·····(····· · · · · · · · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 6 | | · · · · · · ·(····· |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 3 | | · · · · · · ·(·····(····· ) · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 4 | | · · · · · · · · · ·(····· · · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | · · · · · · · · · ·LCD· · · · (··)· · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | · · · · · · · · · ·LCD· · · · (··)· · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | · · · · · · · · · ·LCD· · · · (··)· · |
| 64-B30140-3H4 | M/C SCREW W 3 X 14 | 2 | | LCD· ·LCD· · · · (··)· · |
| 64-B30140-3H4 | M/C SCREW W 3 X 14 | 2 | | LCD· ·LCD· · · · (··)· · |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | LCD· ·LCD· · · · (··)· · |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | LCD· ·LCD· · · · (··)· · |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 6 | | · · ·LCD· · · · (··)· · |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 6 | | · · ·LCD· · · · (··)· · |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 4 | | · · ·LCD· · · · · · · · |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 4 | | · · ·LCD· · · · (··)· · |
| 63-B40150-AB4 | S/T SCREW B 4 X 15 AB | 4 | | · · ·LCD· · · · (··)· · |
| 63-B30060-BT4 | S/T SCREW B 3 X 6 BT | 4 | | · · ······ · · · |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | · · ······ · · · |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | · · ······ · · · · · · · · · · · |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | · · ······ · · · · · · · · · · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | · · · · · · · · · ·LCD· · · · (··)· · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 4 | | · · · · · · · · · · · · · · · · · · |
| 64-B30080-104 | M/C SCREW B 3 X 8 | 2 | | · · · · · · ·(····· · · · · |
| 64-B30080-104 | M/C SCREW B 3 X 8 | 2 | | · · · · · · ·LCD· · · · (··)····· · · · · · · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | · · · · ·(·····)····· · · · · · · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 1 | | · · · · · · ·LCD· · · · (··)· · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 2 | | TUNER· · · ·(····· · · · · · · · · · · · · · · · |
| 64-B30100-103 | M/C SCREW B 3 X 10 | 2 | | · · · · · · ·(·····)····· · |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 1 | | · · · · · · ·LCD· · · · (··)· · |
| 55-707130-0UA1B | FRONT CABINET | 1 | | |
| 58-707400-0U1 | PC PAD | 1 | | |
| 35-FB0181-20X | MAGNETIC CORE (31X18X12) | 1 | | FOR P801· · · · |
| 35-FB0928-004 | ANTI-JAMMING CORE H16X9X28-HA | 6 | | FOR DC LINE INVERTER LINE |
| 63-B30120-BF3 | S/T SCREW B 3 X 12 BF | 1 | | · · · · · · · · · · · · |
| 63-F30160-BT3 | S/T SCREW ST3X6 | 2 | | |
| 67-L40070-0A01A | LOGO | 1 | | |
| 54-392350-0U0 | DUSTPROOF SPONGE BAR | 6 | | |
| 57-10654X-00F | cable ties(2.5mmX95mm) | 15 | | |
| 57-29635X-00F | cable ties(4.8mmX160mm) | 5 | | |
| 67-V330Y1-0M4 | METAL TIE | 6 | | FOR AC LINE |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 66-702620-0E2 | SCREW POST | 4 | | FOR VGA + DVI |
| 89-00156A-JZ0 | MASKING TAPE | 1 | | FOR DC LINE,FOR PANEL |
| 89-00156A-JZ0 | MASKING TAPE | 1 | | FOR 67-P70729-1E0 |
| 08-L3026S-RCN | ASS'Y -REAR CABINET | 1 | | |
| 55-707140-0UA1A | REAR CABINET | 1 | | |
| 63-B30060-BT3 | S/T SCREW B 3 X 6 BT | 1 | | |
| 63-B40150-AB3 | S/T SCREW B 4 X 15 AB (BLACK) | 10 | | |
| 62-708200-0HN1A | TUNER BOX (UP) | 1 | | |
| 62-708210-0HN1A | TUNER BOX (LOWER) | 1 | | |
| 51-FC0220-0TU01 | POWER CORD | 1 | | |
| 57-KYWCC1-0UG02 | WIRE MOUNT | 8 | | |
| 58-3026MP-0U11D | PLATE MODEL NO. | 1 | | |
| 08-L3026S-PAN | ASS'Y - PACKING PARTS | 1 | | |
| 75-709290-CC0 | POLYFOAM "UL/LR" | 2 | | |
| 75-709300-CC0 | POLYFOAM "UR/LL" | 2 | | |
| 75-709310-CC0 | POLYFOAM LOWER | 1 | | |
| 74-022032-6WE | POLYBAG (23cmX34cmX0.06mm) | 2 | | |
| 72-LC3026-E001A | OPERATION MANUAL | 1 | | |
| 64-B40080-103 | M/C SCREW B 4 X 8 | 2 | | |
| 64-B40080-103 | M/C SCREW B 4 X 8 | 2 | | |
| 64-B40100-103 | M/C SCREW B 4 X 10 | 4 | | |
| 06-090W37-A000X | ASSY - REMOTE HANDSET | 1 | | |
| 46-39455H-02X | HS 2P 800MM | 1 | | |
| 46-39455H-02X01 | HS 2P 700MM | 1 | | |
| 49-382380-BAT | BATTERY 7# (RO3P AAA SUM-4) | 2 | | |
| 76-LC3026-0AT1A | CARTON BOX | 1 | | |
| 74-086075-5WD | EPE SHEET | 1 | | |
| 74-030043-50Q | PLASTIC BAG | 1 | | |
| 76-003026-0BC | CARTON BOX | 1 | | |
| 76-003026-0AC | CARTON BOX | 0.05 | | |
| 76-003026-TUN | CARTON BOX | 0.012 | | |
| 76-708240-0BT | TUNER BOX PAPER | 1 | | |
| 76-708250-0BT | TUNER PAPER BOX | 1 | | |
| 08-L3026S-SPY | SPEAKER BD | 1 | | |
| 47-SPK002-XX0 | TERMINAL SPEAKER PST-407 | 1 | | |
| 46-35135W-02X | PIN BASE PH-02AW | 1 | J2 | |
| 46-35135W-02X | PIN BASE PH-02AW | 1 | J3 | |
| 36-371620-00X | NETWORK FILTER NF0801 | 1 | U1 | |
| 40-3026WS-SPA | P.C.B. | 1 | | |
| 08-L3026S-SP1 | ASS'Y - LEFT SPEAKER PARTS | 1 | | |
| 67-M70704-0E01A | CONNECT PARCEL | 2 | | |
| 42-G3516F-XX0 | SPEAKER 16 OHM 8W | 1 | | |
| 47-SPK016-XX1 | CONNECTOR SOCKET 2P PST-203A | 1 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 7 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 4 | | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 59-700340-000 | POST STOPPLE | 8 | | |
| 63-B35120-AB4 | S/T SCREW B 3.5 X 12 | 8 | | |
| 63-B40150-AB3 | S/T SCREW B 4 X 15 AB (BLACK) | 4 | | |
| 55-707170-0HN1B | SOUND BOX FRONT CABINET | 1 | | |
| 56-3026SG-0HN1A | SPEAKER GRILLE | 1 | | |
| 55-707180-0HN1B | SOUND BOX REAR CABINET | 1 | | |
| 42-07808F-XX0 | SPEAKER 8 OHM 8W (78mmX78mm) | 1 | | |
| 25-DFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% BP | 1 | | FOR HI-SPEAKER |
| 41-TF0200-9CC | WIRE UL 2468 #22 200MM RD WH | 1 | | FROM MI-SPEAKER TO TERMINAL |
| 41-TF0150-9CC | WIRE 2PIN | 1 | | FROM MI-SPEAKER TO HI-SPEAKER |
| 54-700770-000 | SPEAKER AIRPROOF STRIP 6mmX1mmX2000mm | 1 | | |
| 54-114000-00X | FELT TAPE (150mmX19mmX0.3mm) | 1 | | |
| 62-707190-0HN1A | LEFT SOUND BOX MIDDLE BOARD | 1 | | |
| 54-702890-000 | ABSORB FLOSS (330mmX200mmX20mm) | 1 | | |
| 74-020070-50C | POLYBAG | 1 | | |
| 08-L3026S-SP2 | ASS'Y - RIGHT SPEAKE PARTS | 1 | | |
| 55-707170-0HN1B | SOUND BOX FRONT CABINET | 1 | | |
| 55-707180-0HN1B | SOUND BOX REAR CABINET | 1 | | |
| 67-M70704-0E01A | CONNECT PARCEL | 2 | | |
| 42-G3516F-XX0 | SPEAKER 16 OHM 8W | 1 | | |
| 47-SPK016-XX1 | CONNECTOR SOCKET 2P PST-203A | 1 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 2 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 4 | | |
| 59-700340-000 | POST STOPPLE | 8 | | |
| 63-B35120-AB4 | S/T SCREW B 3.5 X 12 | 8 | | |
| 63-B40150-AB3 | S/T SCREW B 4 X 15 AB (BLACK) | 4 | | |
| 56-3026SG-0HN1A | SPEAKER GRILLE | 1 | | |
| 42-07808F-XX0 | SPEAKER 8 OHM 8W (78mmX78mm) | 1 | | |
| 25-DFB229-M1X | CAP. ELEC 2.2 UF 50V +/-20% BP | 1 | | FOR HI-SPEAKER |
| 41-TF0200-9CC | WIRE UL 2468 #22 200MM RD WH | 1 | | FROM MI-SPEAKER TO PST-203A |
| 41-TF0150-9CC | WIRE 2PIN | 1 | | FROM MI-SPEAKER TO HI-SPEAKER |
| 54-700770-000 | SPEAKER AIRPROOF STRIP 6mmX1mmX2000mm | 1 | | |
| 54-114000-00X | FELT TAPE (150mmX19mmX0.3mm) | 1 | | |
| 62-707200-0HN1A | RIGHT SOUND BOX MIDDLE BOARD | 1 | | |
| 54-702890-000 | ABSORB FLOSS (330mmX200mmX20mm) | 1 | | |
| 74-020070-50C | POLYBAG | 1 | | |
| 08-L3026S-BSY | ASS'Y - BASE PARTS | 1 | | |
| 62-707210-0HN1B | BASE | 1 | | |
| 67-C70736-0A01A | BRACKET FOOT | 2 | | |
| 56-707370-0HA1B | SUPPORT FOOT COVER | 2 | | |
| 67-P70735-0E0 | BASE BOARD | 1 | | |
| 63-B30080-BT4 | S/T SCREW B 3 X 8 BT | 6 | | |
| 64-B40100-104 | M/C SCREW B 4 X 10 | 8 | | |
| 64-B30060-103 | M/C SCREW B 3 X 6 | 4 | | |
| 74-068048-50C | EPE POLYBAG | 1 | | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 57-702250-OHD | HOST FOOT PAD | 6 | | |
| 08-L3026S-FBY | FRONT CTL BD | 1 | | |
| 47-EAR002-XXO | EARPHONE SOCKET CK3-3.5-9MK-B | 1 | PB03 | |
| 46-35135W-04X | PIN BASE PH-04AW | 1 | PB04 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | R1 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | R2 | |
| 48-POW001-XXO | SWITCH POWER KDC-A11 B2 | 1 | SWB01 | |
| 40-3026WS-FBB | FRONT CTL BD | 1 | | |
| 46-28559W-02X | PIN BASE *2 TJC1-2A | 1 | PB01 | |
| 46-28559W-02X | PIN BASE *2 TJC1-2A | 1 | PB02 | |
| 46-39389H-02X | HS 2P 1617#22 1300M TJC1-2Y/VH-3Y | 1 | | FROM FBY BD PB02 TO PWY P2 |
| 46-35039H-02X01 | HS 1617#22 300MM TJC1-2Y/S=15 | 1 | | FROM FBY BD PB01 TO POWER SOCKET |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C1 | |
| 26-EBP103-ZFX | CAP. CER 0.01UF 50V +80/-20% F | 1 | C2 | |
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C3 | |
| 26-EBP222-KBX | CAP. CER 2200PF 50V +/-10% B | 1 | C4 | |
| 46-35199W-02X | CONN.PH-2A 2PIN PITCH=2 OMM | 1 | PB05 | |
| 41-WJ0075-B00 | WIRE BARE JUMPER 7.5MM | 1 | R3 | |
| 54-237930-0X0 | HEAT SHRINKABLE TUBE 5*0.25 | 0.02 | | ・・AC・・・AC・・・・ |
| 54-113970-0U0 | PVC TUBE #5 L=ROLL | 0.2 | | ・・46+35039H-02X01 AC・・ |
| 08-L3026S-IRY | RECEIVE BD | 1 | | |
| 02-IRR001-XX1 | IR RECEIVER MODULE HRM380017 | 1 | DS1 | |
| 14-LED03A-XXO | LED HFT503W RED/GREEN (3MM) | 1 | D2 | |
| 46-35199W-04X | CONN.PH-4A 4PIN PITCH=2 OMM | 1 | J2 | |
| 46-35199W-04X | CONN.PH-4A 4PIN PITCH=2 OMM | 1 | J3 | |
| 40-3026WS-IRB | IR RECEIVE BD | 1 | | |
| 18-CB0332-JNX | RES. C.F. 3.3k OHM 1/6W +/-5% | 1 | R7 | |
| 41-WJ0060-B00 | WIRE BARE JUMPER 6mm | 1 | J5 | |
| 18-CB0221-JNX | RES. C.F. 220 OHM 1/6W +/-5% | 1 | R11 | |
| 46-35199W-04X | CONN.PH-4A 4PIN PITCH=2 OMM | 1 | J4 | |
| 18-CB0100-JNX | RES. C.F. 10 OHM 1/6W +/-5% | 1 | | R12・・・・・・・・ |
| 25-HCB100-M1X | CAP. ELEC 10 UF 16V +/-20% | 1 | | C1・・・・・・・・ |
| 54-900240-000 | SPONGE PAD | 1 | | FOR DS1 TO PCB |
| 11-C144ES-OBX | TRANSISTOR PDTC144ES (NPN) | 1 | Q2 | |
| 08-LD3026-PWY | ASS'Y - POWER BD | 1 | | |
| 09-55C15V-DTX | SMD DIODE BZV55-C15 | 1 | ZD4 | |
| 09-55C15V-DTX | SMD DIODE BZV55-C15 | 1 | ZD5 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D4 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D5 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D7 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D8 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D13 | |
| 09-LL4148-ATX | SMD SWITCHING DIODE LL4148 | 1 | D17 | |
| 09-RLZ18B-DTX | SMD DIODE RLZ18B | 1 | ZD1 | |
| 09-RLZ18B-DTX | SMD DIODE RLZ18B | 1 | ZD2 | |
| 09-RLZ18B-DTX | SMD DIODE RLZ18B | 1 | ZD3 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 09-RLZ18B-DTX | SMD DIODE RLZ18B | 1 | ZD6 | |
| 09-RLZ18B-DTX | SMD DIODE RLZ18B | 1 | ZD7 | |
| 10-12R06D-F7X | DIODE STTH12R06D | 1 | D1 | |
| 10-12R06D-F7X | DIODE STTH12R06D | 1 | D2 | |
| 10-20100C-F7X | DIODE MBR20100CT(TO-220) | 1 | D10 | |
| 10-20100C-F7X | DIODE MBR20100CT(TO-220) | 1 | D11 | |
| 10-20CT15-S7X | DIODE 20CTQ150 TO-220AB | 1 | D12 | |
| 10-20CT15-S7X | DIODE 20CTQ150 TO-220AB | 1 | D9 | |
| 10-BYV26C-FBX | DIODE BYV26C (FAST RECOVERY) | 1 | D14 | |
| 10-BYV26C-FBX | DIODE BYV26C (FAST RECOVERY) | 1 | D15 | |
| 10-BYV26E-FBX | DIODE BYV26E | 1 | D6 | |
| 10-RS2505-H7X | BRIDGE RS2505M | 1 | BD1 | |
| 11-0S8050-CBX | TRANS S8050C | 1 | VT8 | |
| 11-12NK80-0AX | TRANSISTOR STW12NK80Z | 1 | VT4 | |
| 11-12NK80-0AX | TRANSISTOR STW12NK80Z | 1 | VT12 | |
| 11-20NM50-0AX | TRANSISTOR STW20NM50 | 1 | VT1 | |
| 11-D1NC60-0AX | TRANSISTOR STD1NC60 | 1 | VT2 | |
| 11-SC1815-YBX | TRANSISTOR 2SC1815Y | 1 | VT3 | |
| 12-BC847A-0BX | SMD TRANSISTOR BC847A (NPN) | 1 | VT5 | |
| 12-BC847A-0BX | SMD TRANSISTOR BC847A (NPN) | 1 | VT6 | |
| 12-BC847A-0BX | SMD TRANSISTOR BC847A (NPN) | 1 | VT10 | |
| 12-BC857A-0BX | SMD TRANSISTOR BC857A (PNP) | 1 | VT7 | |
| 12-BC857A-0BX | SMD TRANSISTOR BC857A (PNP) | 1 | VT9 | |
| 13-00TLP6-21P | PHOTO COUPLER TLP621(GRH) | 1 | IC3 | |
| 13-L5991A-D0B | IC L5991AD | 1 | IC2 | |
| 13-L6561D-00B | IC L6561D | 1 | IC1 | |
| 13-LM431A-CZT | IC LM431ACZ(TO-92) | 1 | IC4 | |
| 18-CE0684-JNX | RES. C.F. 680K OHM 1/2W +/-5% | 1 | R2 | |
| 18-CE0684-JNX | RES. C.F. 680K OHM 1/2W +/-5% | 1 | R3 | |
| 18-FF0330-JAX | RES.C.C. 330HM 1W +/-5% | 1 | R56 | |
| 18-FF0339-JAX | RES. M.O.F 3.3 OHM 1W +/-5% | 1 | R18 | |
| 18-RF0109-JAX | RES.C.C. 1W 10HM +/-5% | 1 | R19 | |
| 18-FF0339-JAX | RES. M.O.F 3.3 OHM 1W +/-5% | 1 | R26 | |
| 18-FF0394-JGX | RES. M.O. 390K OHM 1W +/-5% | 1 | R1 | |
| 18-FG0103-JAX | RES.C.C. 2W 10K OHM +/-5% | 1 | R17 | |
| 18-FG0221-JAX | RES.C.C. 2W 220 OHM +/-5% | 1 | R40 | |
| 18-FG0221-JAX | RES.C.C. 2W 220 OHM +/-5% | 1 | R58 | |
| 18-FG0470-JAX | RES.C.C. 47 OHM 2W +/-5% | 1 | R41 | |
| 18-FG0470-JAX | RES.C.C. 47 OHM 2W +/-5% | 1 | R57 | |
| 18-FH0270-JAX | RES. M.O. 27 OHM 3W +/-5% | 1 | R10 | |
| 18-MJ0228-JDX | RES.C.C. 5W 0.22OHM +/-5% | 1 | R13 | |
| 19-BB0100-JTX | RES. SMD 10 OHM 1/10W +/-5% | 1 | R51 | |
| 19-BB0100-JTX | RES. SMD 10 OHM 1/10W +/-5% | 1 | R53 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R28 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R4 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R39 | |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 19-BB0103-JTX | SMD RES 10k OHM 1/10W +/-5% | 1 | R43 | |
| 19-BB0333-JTX | SMD RES 33k OHM 1/10W +/-5% | 1 | R20 | |
| 19-BB0104-JTX | SMD RES 100k OHM 1/10W +/-5% 0805 | 1 | R21 | |
| 19-BB0104-JTX | SMD RES 100k OHM 1/10W +/-5% 0805 | 1 | R32 | |
| 19-BB0122-JTX | SMD RES 1.2k OHM 1/10W +/-5% | 1 | R49 | |
| 19-BB0154-JTX | SMD RES 150k OHM 1/10W +/-5% | 1 | R33 | |
| 19-BB0154-JTX | SMD RES 150k OHM 1/10W +/-5% | 1 | R34 | |
| 19-BB0202-FTX | SMD RES 1/10W 2KOHM +/-1% | 1 | R48 | |
| 19-BB0220-JTX | SMD RES 22 OHM 1/10W +/-5% | 1 | R9 | |
| 19-BB0222-JTX | SMD RES 2.2k OHM 1/10W +/-5% | 1 | R8 | |
| 19-BB0243-FTX | SMD RES 1/10W 24KOHM +/-1% | 1 | R35 | |
| 19-BB0243-FTX | SMD RES 1/10W 24KOHM +/-1% | 1 | R50 | |
| 19-BB0272-JTX | SMD RES 2.7k OHM 1/10W +/-5% | 1 | R42 | |
| 19-BB0273-FTX | SMD RES 1/10W 27KOHM +/-1% | 1 | R31 | |
| 19-BB0273-FTX | SMD RES 1/10W 27KOHM +/-1% | 1 | R44 | |
| 19-BB0304-FTX | SMD RES 1/10W 0.3MOHM +/-1% | 1 | R12 | |
| 19-BB0331-JTX | SMD RES 330 OHM 1/10W +/-5% 0805 | 1 | R27 | |
| 19-BB0333-FTX | SMD RES 33K OHM 1/10W +/-1% 0805 | 1 | R45 | |
| 19-BB0334-FTX | SMD RES 1/10W 0.33MOHM +/-1% | 1 | R11 | |
| 19-BB0334-FTX | SMD RES 1/10W 0.33MOHM +/-1% | 1 | R25 | |
| 19-BB0334-FTX | SMD RES 1/10W 0.33MOHM +/-1% | 1 | R59 | |
| 19-BB0472-FTX | SMD RES 4.7k OHM 1/10W +/-1% | 1 | R36 | |
| 19-BB0472-JTX | SMD RES 4.7k OHM 1/10W +/-5% | 1 | R46 | |
| 19-BB0101-JTX | SMD RES 100 OHM 1/10W +/-5% | 1 | R47 | |
| 19-BB0473-JTX | SMD RES 47k OHM 1/10W +/-5% 0805 | 1 | R6 | |
| 19-BB0473-JTX | SMD RES 47k OHM 1/10W +/-5% 0805 | 1 | R24 | |
| 19-BB0473-JTX | SMD RES 47k OHM 1/10W +/-5% 0805 | 1 | R30 | |
| 19-BB0474-JTX | SMD RES 470k OHM 1/10W +/-5% 0805 | 1 | R7 | |
| 19-BB0622-FTX | SMD RES 1/10W 6.2KOHM +/-1% | 1 | R5 | |
| 19-BB0622-FTX | SMD RES 1/10W 6.2KOHM +/-1% | 1 | R14 | |
| 19-BB0682-JTX | SMD RES 6.8k OHM 1/10W +/-5% | 1 | R22 | |
| 19-BB0682-JTX | SMD RES 6.8k OHM 1/10W +/-5% | 1 | R23 | |
| 19-BB0334-JTX | SMD RES 330K OHM 1/10W +/-5% | 1 | R16 | |
| 19-BB0334-JTX | SMD RES 330K OHM 1/10W +/-5% | 1 | R54 | |
| 19-BB0334-JTX | SMD RES 330K OHM 1/10W +/-5% | 1 | R55 | |
| 20-TR202H-5CX | TRIMMER B2K HORIZ TYPE | 1 | VR1 | |
| 22-NTC479-XX0 | NTC 4.7 OHM +/-18% NTC4 7D2-14 | 1 | TH1 | |
| 22-VDR471-XX0 | VARISTOR RESISTANCE MYG-14K300 | 1 | ZV201 | |
| 25-BFB220-M1X | CAP ELEC 22 UF 50V +/-20% | 1 | C11 | |
| 25-BFB220-M1X | CAP ELEC 22 UF 50V +/-20% | 1 | C14 | |
| 25-BFB470-M1X | CAP ELEC 47 UF 50V +/-20% | 1 | C15 | |
| 25-BFB479-M1X | CAP ELEC 4.7 UF 50V +/-20% | 1 | C20 | |
| 25-GCA222-M1P | CAP ELEC 16V 2200UF +/-20% | 1 | C29 | |
| 25-GCA222-M1P | CAP ELEC 16V 2200UF +/-20% | 1 | C30 | |
| 25-GEA102-M1P | CAP ELEC 1000UF 35V +/-20% | 1 | C24 | |
| 25-GEA102-M1P | CAP ELEC 1000UF 35V +/-20% | 1 | C25 | |



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| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 25-GEA471-M1P | CAP ELEC. 470UF 35V +/-20% | 1 | C27 | |
| 25-GEA471-M1P | CAP ELEC. 470UF 35V +/-20% | 1 | C31 | |
| 26-AKK221-KRX | CAP CER 220 PF 1KV +/-10% R | 1 | C8 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C1 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C2 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C23 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C28 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C36 | |
| 26-AKK471-KRX | CAP CER 470 PF 2KV +/-10% R | 1 | C38 | |
| 26-AKK472-KRX | CAP CER 4700 pF 1KV +/-10% | 1 | C10 | |
| 26-APK102-MEX | CAP CER 1000PF 400VAC +/-20%E | 1 | CY5 | |
| 27-AQT474-MVX | CAP M.PP 0.47 UF 250V +/-20% | 1 | CX1 | |
| 27-AQT474-MVX | CAP M.PP 0.47 UF 250V +/-20% | 1 | CX2 | |
| 27-MJR105-JOX | CAP M.PP 1.0UF 630V +/-5% | 1 | C3 | |
| 27-PBC222-JOX | CAP P.E 0.0022UF 63V +/-5% | 1 | C18 | |
| 28-BB0102-JC1 | SMD CAP 50V 1000PF +/-5% | 1 | C33 | |
| 28-BB0103-ZFX | SMD CAP 10NF 50V +80%-20% | 1 | C4 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C12 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C16 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C17 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C32 | |
| 28-BB0104-ZFX | SMD CAP 0.1 UF 50V +80/-20% 0805 | 1 | C13 | |
| 28-BB0153-KB1 | SMD CAP 50V 15NF +/-10% | 1 | C21 | |
| 28-BB0221-JC1 | SMD CAP 50V 220PF +/-5% | 1 | C6 | |
| 28-BB0221-JC1 | SMD CAP 50V 220PF +/-5% | 1 | C22 | |
| 28-BB0333-KB1 | SMD CAP 50V 33NF +/-10% | 1 | C19 | |
| 28-BB0561-JC1 | SMD CAP 50V 560 pF +/-5% | 1 | C5 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C7 | |
| 28-BD0105-ZFX | SMD CAP 1UF 25V +80-20% | 1 | C34 | |
| 35-FB1690-30X | MAGNETIC CORE | 4 | | VT1D/VT4D/VT12D/D2 |
| 36-LIF052-XX0 | LINE FILTER | 1 | LF1 | |
| 36-LIF052-XX0 | LINE FILTER | 1 | LF2 | |
| 36-LIF053-XX0 | PFC INDUCTOR LPQ3220-400UH | 1 | L3 | |
| 36-TRF131-XX0 | TRANSFORMER CONV.BCK3201 | 1 | T2 | |
| 36-TRF132-XX0 | TRANSFORMER CONV.BCK3202 | 1 | T1 | |
| 36-WID229-XX0 | COIL WIDTH 2.2UH | 1 | L5 | |
| 36-WID229-XX0 | COIL WIDTH 2.2UH | 1 | L6 | |
| 36-WID629-XX1 | COIL CHOKE 6.2UH | 1 | L1 | |
| 41-WJ0080-B00 | WIRE BARE JUMPER 8 MM | 1 | J1 | |
| 46-35063W-03X | PIN BASE *3 VH-3A | 1 | P2 | |
| 50-063000-2GS2 | FUSE 6.3A 250V | 1 | F1 | |
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | FOR D1 | |
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | FOR D2 | |
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | FOR D9 | |
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | | FOR D10 |
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | | FOR D11 |

| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 54-220CV0-0X0 | COVER CAP TO-220CV | 1 | | FOR D12 |
| 54-3PCVA0-0X0 | COVER CAP TO-3PCV-A | 1 | | FOR VT1 |
| 54-3PCVA0-0X0 | COVER CAP TO-3PCV-A | 1 | | FOR VT4 |
| 54-3PCVA0-0X0 | COVER CAP TO-3PCV-A | 1 | | FOR VT12 |
| 58-707400-0U1 | PC PAD | 1 | | |
| 64-B30080-104 | M/C SCREW B 3 X 8 | 1 | | FOR 67-H70927-0A0 |
| 64-B30080-104 | M/C SCREW B 3 X 8 | 2 | | FOR 67-H70928-0A0 |
| 64-F30080-104 | M/C SCREW F 3X8 | 1 | | FOR BD1 |
| 64-F30120-104 | M/C SCREW F 3 X 12 | 1 | | FOR D1 & D2 |
| 64-F30120-104 | M/C SCREW F 3 X 12 | 1 | | FOR D10 & D11 |
| 64-F30120-104 | M/C SCREW F 3 X 12 | 1 | | FOR D9 & D12 |
| 64-F30120-104 | M/C SCREW F 3 X 12 | 1 | | FOR VT4 & VT12 |
| 66-20516X-0B0 | FUSE HOLDER | 2 | FOR F1 | |
| 67-H70927-0A0 | HEAT SINK | 1 | | FOR BD1 AND VT4 & VT12 |
| 67-H70928-0A0 | HEAT SINK | 1 | | FOR VT1 |
| 67-M39214-0E0 | HEAT SINK | 1 | | FOR BD1 |
| 67-M39214-0E0 | HEAT SINK | 1 | | FOR VT1 |
| 67-M70933-0E0 | STATOR | 1 | | FOR D1 & D2 |
| 67-M70933-0E0 | STATOR | 1 | | FOR D10 & D11 |
| 67-M70933-0E0 | STATOR | 1 | | FOR D9 & D12 |
| 67-M70933-0E0 | STATOR | 1 | | FOR VT4 & VT12 |
| 26-APK471-KB4 | CAP. CER 470 pF 400VAC +/-10% | 1 | CY2 | |
| 26-APK471-KB4 | CAP. CER 470 pF 400VAC +/-10% | 1 | CY4 | |
| 35-FB0300-60X | MAGNETIC CORE | 4 | | TRANS T1/T2 |
| 41-DC0600-ABP | WIRE UL1015 #18 600MM | 1 | | |
| 35-FB1300-31X | MAGNETIC CORE | 1 | | FOR 46-39389H-02X |
| 35-FB1000-31X | MAGNETIC CORE | 1 | | FOR 41-DC0600-ABP |
| 25-GNJ101-M1P | CAP.ELEC 100UF 450V +/-20% | 1 | C9 | |
| 25-GNJ101-M1P | CAP.ELEC 100UF 450V +/-20% | 1 | C26 | |
| 64-F30060-104 | M/C SCREW F 3 X 6 | 1 | | FOR VT1 |
| 18-MJ0568-JDX | RES. CEM 0.56 OHM 5W +/-5% | 1 | R29 | |
| 18-MJ0568-JDX | RES. CEM 0.56 OHM 5W +/-5% | 1 | R37 | |
| 54-392350-0U0 | DUSTPROOF SPONGE BAR | 2 | | . . . . . |
| 64-B30080-104 | M/C SCREW B 3 X 8 | 1 | | FOR D12 |
| 64-B30060-104 | M/C SCREW B 3 X 6 | 4 | | FOR PCB |
| 10-B5C12V-DBX | ZENER DIODE 12V 1.3W | 1 | ZD8 | |
| 40-LDTV30-PWD | P.C.B. POWER PCB BD | 1 | | |
| 10-BYV26C-FBX | DIODE BYV26C (FAST RECOVERY) | 1 | D3 | |
| 19-BB0103-JTX | SMD. RES 10k OHM 1/10W +/-5% | 1 | R52 | |
| 19-BB0102-JTX | SMD. RES 1k OHM 1/10W +/-5% | 1 | R60 | |
| 19-BB0202-JTX | SMD. RES 2k OHM 1/10W +/-5% 0805 | 1 | R61 | |
| 19-BB0331-JTX | SMD. RES 330 OHM 1/10W +/-5% 0805 | 1 | R62 | |
| 19-BB0331-JTX | SMD. RES 330 OHM 1/10W +/-5% 0805 | 1 | R63 | |
| 19-BB0331-JTX | SMD. RES 330 OHM 1/10W +/-5% 0805 | 1 | R65 | |
| 19-BB0202-JTX | SMD. RES 2k OHM 1/10W +/-5% 0805 | 1 | R64 | |
| 28-BB0104-ZFX | SMD CAP. 0.1 UF 50V +80/-20% 0805 | 1 | C41 | |





| Item No. | Description | Quantity | Designator | Remarks |
|---|---|---|---|---|
| 46-35200W-04X | CONN. VH-4A 4PIN PITCH=3.96MM | 1 | P1 | |
| 12-BC847A-0BX | SMD TRANSISTOR BC847A (NPN) | 1 | VT13 | |
| 28-BB0474-ZFX | SMD. CAP 0.47UF 50V +80%-20% | 1 | C35 | |
| 11-TC3202-YBX | TRANSISTOR KTC3202 | 1 | VT14 | |
| 46-39472H-32X | INVERTER POWER CORD | 1 | | FOR P1 |
| 47-PWS014-XX0 | POWER SOCKET | 1 | | . . AC. . . . |
| 46-39481H-01X | HS 1P 1015#18/1015#18 350+150MM | 1 | | FOR AC. . . . . |
| 18-FH0273-JAX | RES. M.O. 27K OHM 3W +/-5% | 2 | | R15. . . . . |
| 54-392460-0U0 | MICA SHEET | 1 | | FOR BD1 |
| 54-38271X-0U0 | PYROCONDENSATION BUSHING 8mm | 0.05 | | FOR D1/D2. . . . |
| 54-38271X-0U0 | PYROCONDENSATION BUSHING 8mm | 0.05 | | FOR D1/D2. . . . |
| 11-TC8550-CBX | TRANSISTOR KTC8550-C | 1 | VT11 | |

# 4. Alignment Procedure

## SUMMARIZATION:

The panel in this model is LG PHILIPS 30' LC300W01 A3P6, whose max-luminance is at 450 cd/m$^2$. Analog parts adopt VCT3834A with Teletext function, inner multi-system Comb-filter, MCU and TCU for Teletext, extra 4M Flash EEPROM and 4M SRAM Teletext EEPROM. IF Amplifier adopts TDA9886T Multi-system PLL IC, MSP3411G for Nicam, and FS European Frequency which supports PAL DK BG I, SECAM BG/DK, SECAM L system. Digital parts adopts SAGE Project, Scaller chip which supports VGA/DVI input in main chassis part. TV input channel adopts AD9883A+FLi2200 to support A/D switches and Deinterlace Progressive processing. Scaller output adopts LVDS switch IC SN75LVDS83, which will switch LVDS to PANEL CN1 Socket. INVERTER comprises by two groups +24V power suppliers and signal switching controller.

## ALIGNMENT INSTRUCTION:

### 1. Adjustment of Analog Chassis Parts

In 30 inch LCD TV, Analog Chassis Parts are comprised of three main boards:

A. Main-signal Processing Board, which is including Video, Audio, Code, and Teletext process of sub-signal, Board named: 40-3026WS-MA* (* =A. B. C. D. .....)
B. IF Amplifier Board, named: 40-LS3026-TU* (* =A. B. C. D. .....)
C. Power Amplifier Board, named: 40-3026WS-AM* (* =A. B. C. D. .....)

I> **Checking of IF Amplifier Board**

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**Procedures:**

1. Connecting IF Amplifier Board (without shield cover) to P602 in Switching Board via VGA.
2. Switching on the Displayer, + 3V red light will be on in RC receiving board. Press "Standby" in RC, the red light will be off. Applying Factory Signal to see whether the sound, Nicam, and searching channel are OK.
3. Pressing i key in RC to enter into User Menu, pressing pin 6 4 0 5 keys to Factory Menu, and select AGC Menu. Setting switching mode to NORMAL, AGC to 14, pressing "EXIT" to exit.
4. Switching off the Displayer. Taking out IF Amplifier, and soldering shield cover.

II> **Checking of Analog Main Board**

**Procedures:**

1. Inserting P1, P2, P14 in Digital Board to P1001, P1002 and P5540 in Analog Board.
2. Connecting Computer to S5504 via COM connector, turning off the reset switch in the connector.
3. A. Setting PC mode in Digital Board;
   B. Switching on the unit with RC;
   C. After Screen is on, running FLASH PROGRAM for 2 seconds in Computer Communication Program;
   D. Turning on the reset switch in the connector, then carrying out the program to burn.
4. After burned, please take out the S5504 connector.
5. Switching off→Reset→power on with RC, pressing "0" key and "OK" key to enter TV mode, the Noise Signal will be displayed, press i in RC to enter into User Menu, and setting OSD to ENGLISH or other languages.
6. Making an elementary setting in PICTURE menu:
   Brightness ---- 50, Contrast ---- 70, Color ---- 40, Tint ----10
7. Pressing "OK" to save and "exit".
8. Pressing "i" and "CH-" to select and "CH+" to enter into PROGRAM menu, pressing "CH-"to select "SEARCH >", and pressing "VOL +" to searching channels. Press EXIT to exit when finished.
9. Checking all channels to see whether the sound and picture are OK or not. Signal should be switched after applying SCART signal. Input and output function should be checked in SCART 1 & SCART 2. There is not output function in SCART 3. ( 0 key in RC to open menu, "V" key to OK)

### 2. Adjustment of Digital Board

**Procedures:**

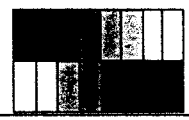
1. A. Inserting P1 (8pins) in Digital Board to P1001 in Analog Main Board;
   B. Connecting P14 in Digital Board to P5540 in Analog Main Board via 10Pins Line;
   C. Connecting P24 in Digital Board to P1004 in Analog Main Board via line;
   D. Inserting INVERTER switch Plug to P7 (Pin 3-5);
   E. Connecting P2 in Digital Board to P1002 in Analog Main Board via line;
2) Inserting DC Plug in Extra Power Supplier to P18 in Digital Board, turning on the main power switch to electrify CPU (3.3V) in Digital Board;

3) A. Switching on the Unit using RC;
   B. Electrifying Analog Board with 12V, +5V to IC JACASM in Digital Board simultaneously;
   C. After several seconds, sound and picture will be OK. (TV mode is in normal mode without SCART Signal)

4) Applying TV signal (Gray Scale and Color Bar Signal), pressing "0", "6", "4", "0", "5" in RC, the AD9883 menu will be displayed, please setting the data as following:

| | |
|---|---|
| R | 97 |
| G | 98 |
| B | 98 |
| BRIG | 183 |
| CON | 50 |

For reference only.
(As different screen, the data are different, please setting the data to make the Gray Scale normal.)



Gray scale and color bar signal

Pressing• EXIT• to exit

5) •1 • Applying VGA signal, press • θ• in RC to choose PC mode and pressing "OK" to confirm. Switching to VGA mode and selecting VGA to Gray 16 Scales.
   •2 • Pressing "0", "6", "4", "0", "5" in RC to enter into Factory Mode, setting the data as below:

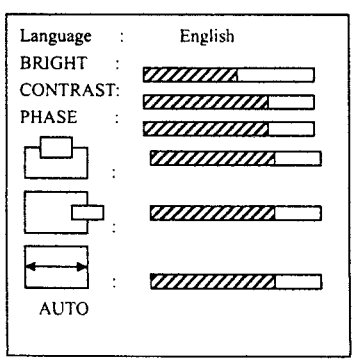
JAGASM of VGA:

| | |
|---|---|
| R | 93 |
| G | 103 |
| B | 98 |
| BRIG | 183 |
| CON | 50 |

For reference only.
(As different screen, the data are different, please setting the data to make the Gray Scale normal.)

Pressing• EXIT• to exit• •

•3 • Pressing • i• • in RC to enter into the User menu to setting the following items when applying VGA signal:




Gray 16 Scales
Brightness• 45%, Max-Dark Scale is Black
Contrast• 75%, Max-Bright Scale isn't over loading
A/D Phase• No adjusting ripple

Vertical Center: (fluctuant Symmetry• •

Horizontal Center: (Right and Left Symmetry• •

Horizontal Breadth• Obtain the edge exactly with Cross signal

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Pressing "OK" to save and• EXIT• to exit• •
* Note: Best Resolution• 1024X768 60Hz mode.

6) DVI checking
**Procedures• •**
•1 • Inserting DVI plug into P10 in Digital Board• •
•2 • Pressing • θ• in RC to enter into signal menu, pressing "CH+/CH-" to choose "DVI" and "OK" to enter into DVI mode• •
•3 • Applying the kinds of testing signal, whether they all can be identified and the output are normal in DVI signal sources• •
•4 • Entering into main signal menu and setting into the "TV" mode• •
•5 • Taking out DVI plug and shutting off AC power supply.

## 3. Adjustment of Complete LCD TV

**Procedures• •**

**I> Adjustment of AGC**

•1 • Power on the Unit and applying the TV signal sources.
TV signal sources setting as below• •
f=48.25MHz
System: PAL B/G
Signal• Full color bar
Intension• 65dB• •

•2 • Pressing • i• key in RC to enter into User Menu, pressing pin • 6•• •4•• •0•• •5• keys to Factory Menu, pressing ◀◀ key to select item, "V+& V-" to adjust the data.
Setting AGC data to 14 to obtain the Noise of Screen Signal is at minimum.
DVSS: ON

•3 • Setting BURN IN at On
( Analog Board is on when no signal, Normal User mode is OFF)

| | |
|---|---|
| LCD TV TCL Ver. | 1.22B/13/10/2003 (Update irregularly) |
| Auto Format | 4:3 |
| Tuner AGC | 14 |
| Transparent OSD | 66 |
| DVSS | ON |
| Burn-in Mode | ON |
| Min.volume.1% | 10 |
| Sound curve.10% | 64 |
| Sound curve.20% | 86 |
| Sound curve.40% | 105 |
| Sound curve.80% | 121 |
| Sound curve.100% | 127 |

•4 • Pressing• EXIT• to exit.

II> **Adjustment of White Balance in VGA mode**

•1 • Applying VGA signal, 1024 X 768 60Hz, switching signal source to PC mode, 9300K.

•2 • Choosing White Signal, using Color Temperature Instrument or White Balance Instrument to test the color coordinate.

•3 • Pressing"0", "6", "4", "0", "5" key in RC to enter into Factory Mode, pressing "CH+, CH-" to select item, "V+, V-" to adjust R• G• B data to obtain x=284±5• • Y=299±5• •

•4 • 7000K X=305±15• Y=320±15 (no use now)

•5 • 7500K X=299±15• Y=315±15 (no use now)

III> **AUTO Adjustment of User Setting in VGA mode**

•1 • Applying Square Signal, pressing • i• key in RC to enter into User Menu.

•2 • Pressing "CH+, CH-" to select "AUTO" item, and "V+" to active the auto adjustment then screen will be dark instantly. If finished, screen will be ok automatically.

•3 • If auto adjustment lost or some disturb/noise in screen, please adjust PHASE by manual.

Applying signal modes• •

640 X 480 (60, 72, 75, 85Hz)

720 X 400 (60, 70Hz)

800 X 600 (60, 75, 85Hz)

1024 X 768 (60, 75, 85Hz)

1280 X 1024 (60, 75, 85Hz)

To do the checking and auto adjustment separately when applying the kinds of signals, if no problem exists, it is unnecessary to adjust the data in EEPROM.

IV> **Adjustment of White Balance in TV mode.**

•1 • Applying SCART White Signal, using White Balance Instrument to test.

•2 • Pressing "0", "6", "4", "0", "5" key in RC to enter into Factory Mode, pressing "CH+, CH-" to select item, "V+, V-" to adjust R• G• B data to obtain X=0.284, Y=0.299, color temperature: 9300, Luminance> 400cd.

•3 • Pressing• EXIT• to exit.

• ➢ **Checking Complete LCD TV**

•1 • Applying TV signal to check whether AGC can work normal.• 40~100dB TV signal).

If AGC is abnormal, please do fine tuning.

(If overloading, please lower AGC Value)

•2 • Applying SCART signal to check whether the input and output of SCART can work normal in R• G• B• Y/C• SCART, 16:9/4:3 mode.

•3 • Applying VGA signals to checking:

640 X 480 (60, 72, 75, 85Hz)

720 X 400 (60, 70Hz)

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800 X 600 (60, 75, 85Hz)

1024 X 768 (60, 75, 85Hz)

1280 X 1024 (60, 75, 85Hz)

•4 • Checking PIP in TV Signal (VGA mode)

a. Pressing • θ• • to choose PC mode and• OK• to enter into VGA mode, applying VGA signal.

b. Pressing "▷" key in RC to active PIP function, pressing this key continuously to scale up the PIP picture and disappeared circularly , there are four scales.

c. Pressing " ◁ " key to locate the PIP picture from Top-left, Top-right, Bottom-right, Bottom-left and center circularly.

d. Pressing "▷" key in RC to close the PIP when the picture is in largest scale.

d. Press Green Key in RC can switch the PIP signal source.

•5 • Checking PIP in DVI mode

Pressing • θ• • to choose PC mode and• OK• to enter into DVI mode.

Repeat •4 • to check PIP scale and location.

•6 • Safety Checking

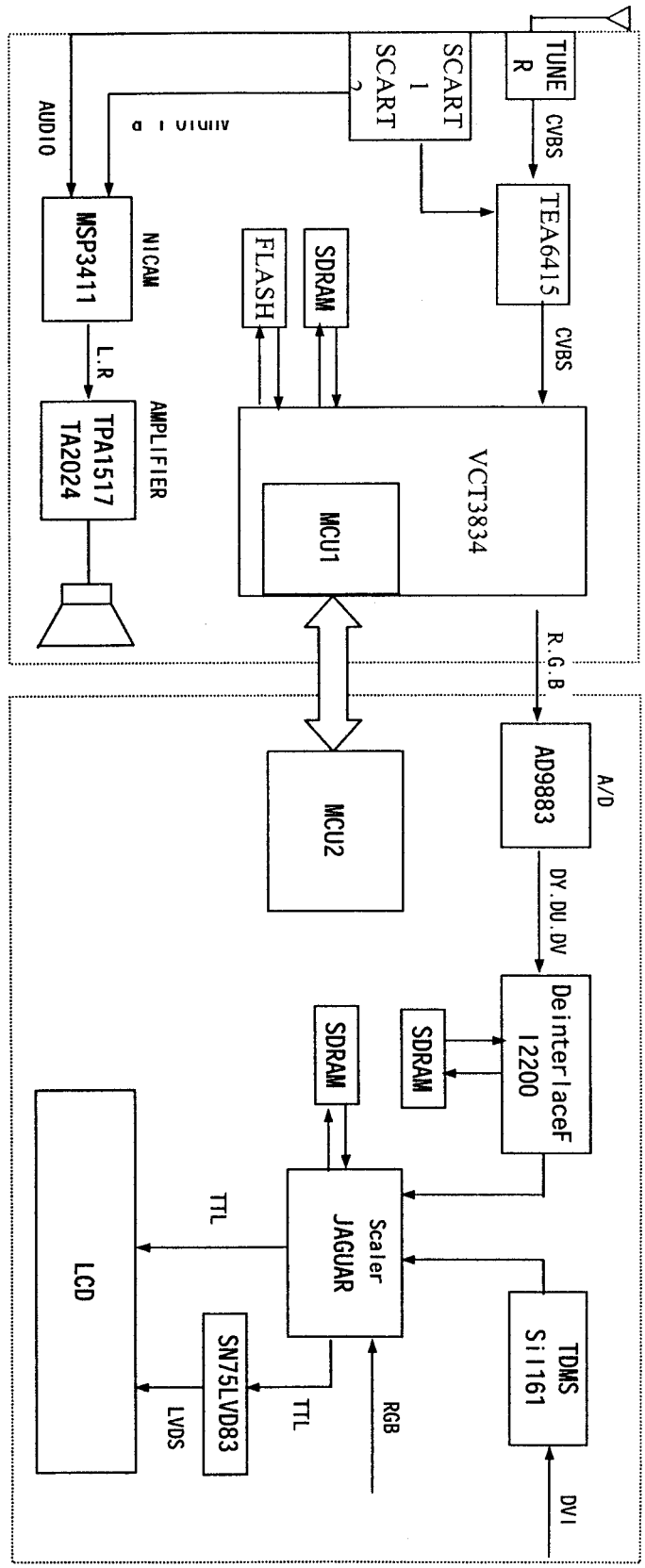
a. AC 3000V; b. Resistance> 4MΩ

•7 • Default data setting:

Applying factory signal, setting the data to default when in best picture, best sound and so on.

| Picture Default Value setting: (Only for reference) | | | | Sound Default Value setting: (Only for reference) | |
|---|---|---|---|---|---|
| | TV/SCART | RGB | VGA | Volume | 35 |
| Brightness | 50% | 55% | 40% | Treble | 50 |
| Contrast | 80% | 40% | 75% | Base | 50 |
| Color | 50% | Position: 30% | | Balance | Center |
| Contour | 20% | | | Base | Normal |
| Tone | Center | | | AVC | off |

# 5. BLOCK DIAGRAM



# LCD MONITOR TV LCD26S series

**VER2.0 2003.7.3**

Status:V2.0 20030815

| | | |
|---|---|---|
| Title | LCD3026 | |
| Size: Custom | Document Number: <Doc> | Rev: <RevCode> |
| Date: Monday, November 03, 2003 | Sheet 1 of 17 | |

LM1117MPX-3.3
SOT223

+5V FB2 LM1117MPX-3.3 U1 IN GND OUT TAB
C4 10uF/16V
C2 10uF/16V
3.3V
22uF/16V C1
PVDD
C3 0.1uF
C216 0.1uF
R1 3.3
CX5 CX
3.3AN
PVDD
C6 3.9nF
39nF C5
open C179
R2 3.3K
R3 10K
AD_VS
C15 C16 C17 C18 0.1uF 0.1uF 1nF 1nF
C8 0.1uF
10K R6
C9 C10 C11 C12 C13 C14 0.1uF 0.1uF 0.1uF 1nF 1nF 1nF

HSYNC FB3 R4 4.7K C7 47pF AD_HS R233 3.3 2200_HS 4

9332-9883
P1
HS VS GND V GND U GND Y
JST-S8B-PH-K
VSYNC

R100 open C21 4.7pF R7 120 L2 3.3uH C20 47nF C93 270pF
R99 open C23 4.7pF R8 150 L3 3.3uH C22 47nF C92 560pF
R98 open C25 4.7pF R11 150 L4 3.3uH C24 47nF C175 560pF
R9 10K
R10 10K
C26 0.1uF
C19 0.1uF
C27 C28 C29 C30 C31 C32 C33 C34 0.1uF

AD9883 U3
LQFP80
AD9883

RP1 22Rx4 DU0 DU1 DU2 DU3
RP2 22Rx4 DU4 DU5 DU6 DU7
DU[0..7] DU[0..7] 4
RP3 22Rx4 DY0 DY1 DY2 DY3
RP4 22Rx4 DY4 DY5 DY6 DY7
DY[0..7] DY[0..7] 4
RP5 22Rx4 DV0 DV1 DV2 DV3
RP6 22Rx4 DV4 DV5 DV6 DV7
DV[0..7] DV[0..7] 4

3,10,14 MC_SCLK MC_SCLK R12 1k
3,10,14 MC_DATA MC_DATA R13 1k

P25
Intr_main# GND 2596_on/light pwr_ctrl
4pin
C502 470pF R215 0 INTR_Main# 14
R201 0 or Open light 14,15
+3.3V_MCU
C503 47pF C504 47pF C505 47pF C506 47pF

FB7 AD_VS AD_VS 4
R14 4.7K
C35 47pF

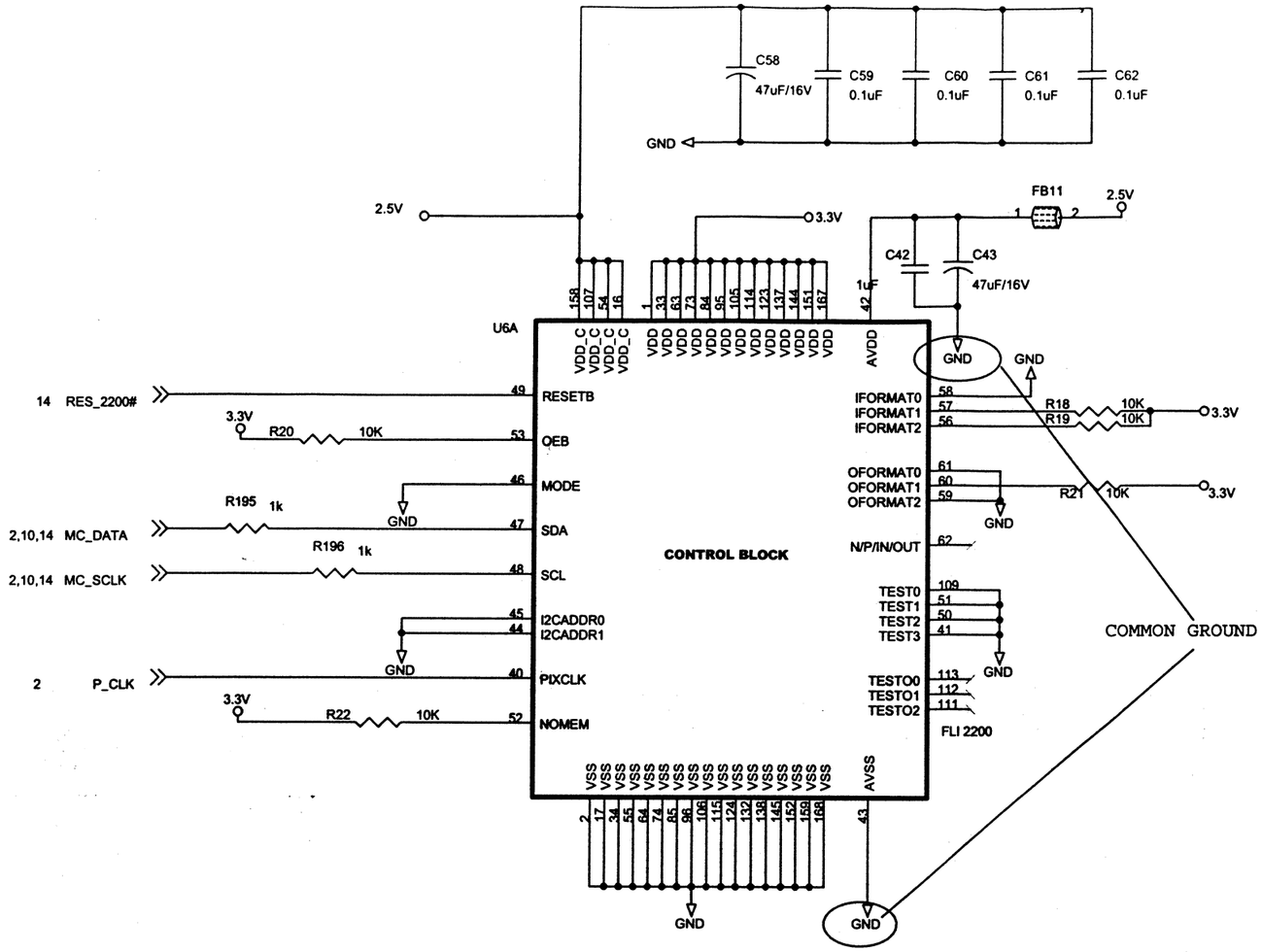
22R R15 P_CLK 3
4.7k R197 2200_HS 4
4.7k R198
C37 open

I2C Com port with Analog_board
P2
SCL 2596_ON_ SDA GND I/O1
R199 1k SCL2 SCL2 14
R200 1k SDA2 SDA2 14
R5 0 GND
REST_Analog
2

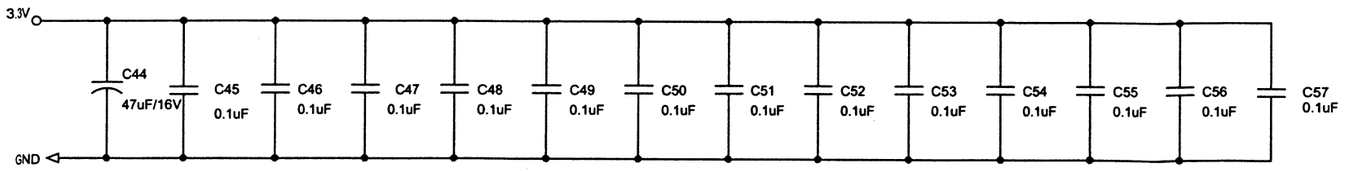
+3.3V_MCU
R94 4.7K R93 4.7K
MC_SCLK 3,10,14
MC_DATA 3,10,14

J2 CN2
JST-S6B-PH-K
+3.3V_MCU
C499 47pF C500 47pF

Title AD9883 INTERFACE
Size Document Number Rev 0.6
Date Sheet 2 of 17




## DECOUPLING FOR FLI2200




| | | |
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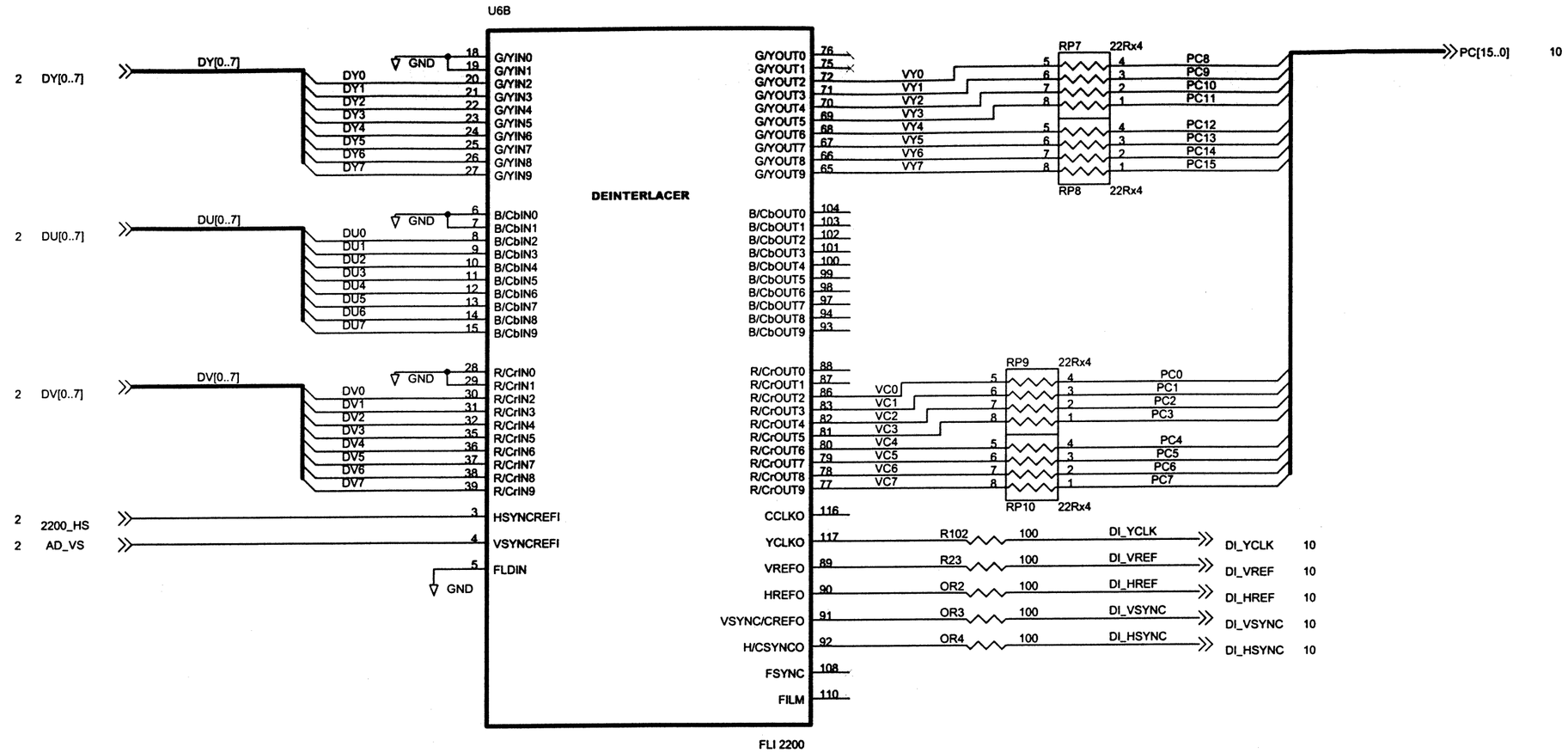
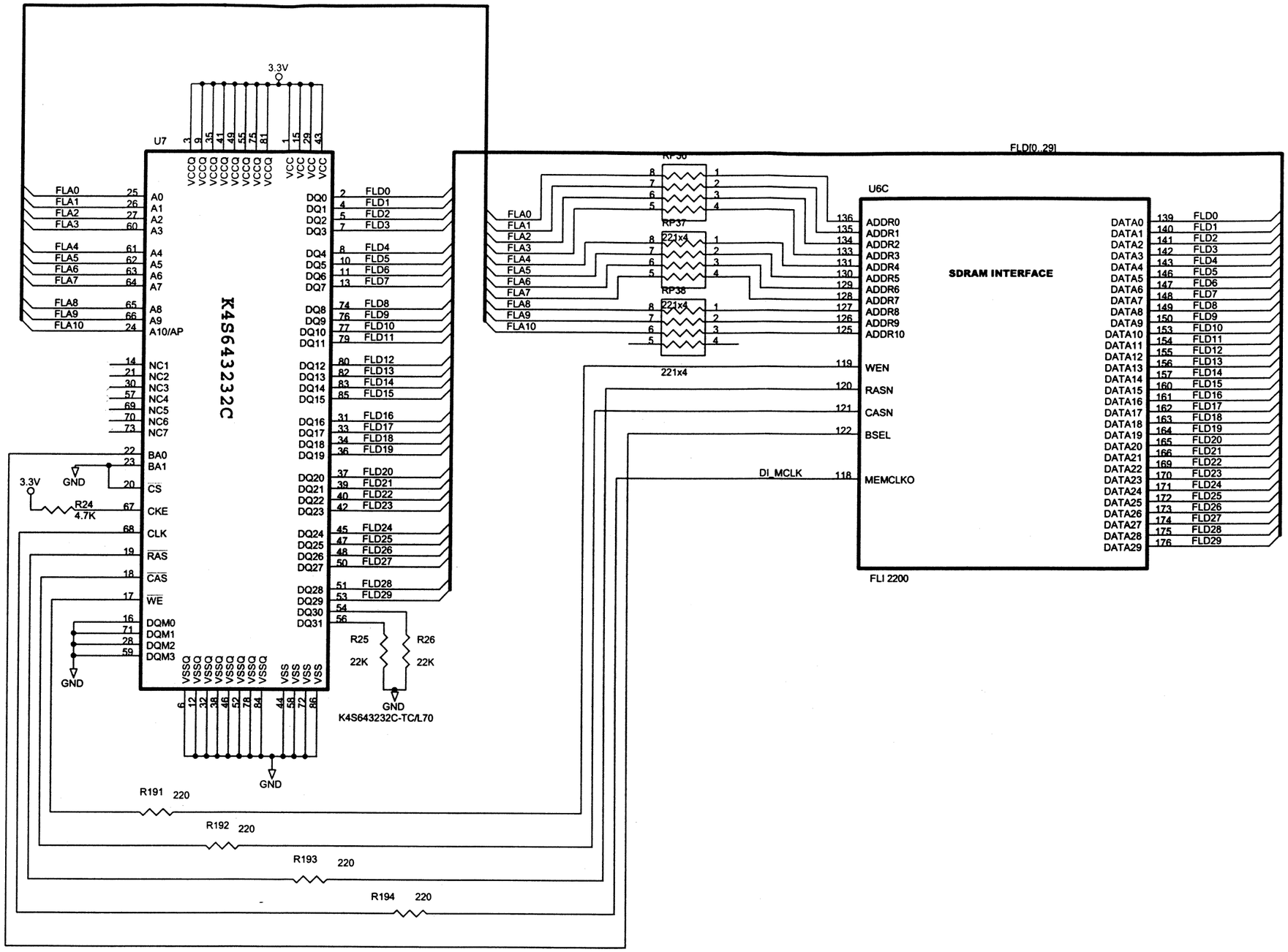
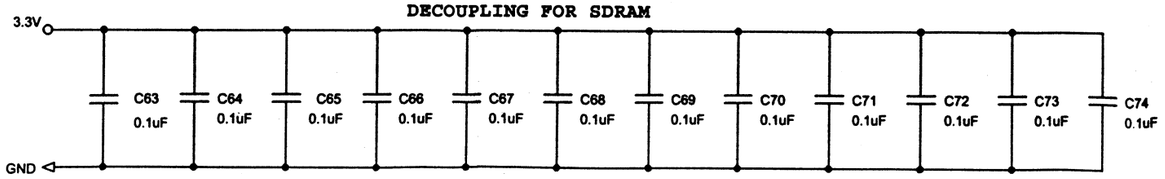
| Size: Custom<Doc> | Document Number | Rev: <RevCode> |
| Date: | Sheet 3 of 17 | |




| | |
|---|---|
| Title | FLI2200 INTERFACE |
| Size | Custom |
| Document Number | <Doc> |
| Rev | <RevCode> |
| Date: | |
| Sheet | 4 of 17 |




## DECOUPLING FOR SDRAM




| | | |
|---|---|---|
| Title: FLI2200 SDRAM INTERFACE | | |
| Size: Custom | Document Number: <Doc> | Rev: <RevCode> |
| Date: | Sheet 5 of 17 | |

TO JAGASM ADC

VGA

P11

MH1

RED — 1 — RED1

GREEN — 2 — GREEN1

BLUE — 3 — BLUE1

ID2 — 4

GND — 5

RGND — 6

GGND — 7

BGND — 8

VCC — 9 — VGA_+5V

GND — 10

ID0 — 11

DDDA(ID1) — 12 — DDDA

HSYNC — 13 — PHSI1

VSYNC — 14 — PVSI1

DDCK(ID3) — 15 — DDCK

MH2 — 17

ASTRON HDB600-15

CUT IN GND PLANE AND JOIN NEAR JAG

BAV99 FOOTPRINT

RED1 — FB55 — C75 — R28 75 1% — C76 2.2pf — ARED1P 7

R29 75 1%u

RED-GND — R30 0R — ARED1N 7

GREEN1 — FB56 — C77 — R32 75 — C78 2.2pf — AGREEN1P 7

R33 75 1%u

GREEN-GND — R34 0R 1% — AGREEN1N 7

BLUE1 — FB57 — C79 — R36 75 1% — C80 2.2pf — ABLUE1P 7

R37 75 1%u

BLUE-GND — R38 0R — ABLUE1N 7

R211 0 — R209 0 — R210 0 — GND

FB12 — FB13

R44 100R — R45 100R — R46 100R — R47 100R

VGA_HSYNC 10

VGA_VSYNC 10

R48 1K — R49 1K — GND

C85 100pf — C86 100pf — GND

D7 BAT54C/BAV70 SOT23

VGA_+5V — +5V

R50 10K — C87 0.1uF — R51 10K — R52 10K

U8 DDC

WC — VCC — SDA

NC1 — SCL

NC2 — GND — VCLK

ST24FW21

EDID DATA

GND

D1 D2 D3 D4 BAV99

A+5V

CUT IN GND PLANE AND JOIN NEAR ANALOG POWER SUPPLY

GND

R231 10K — R232 10K — R236 10K — GND

RED1 — D10 — GND — A+5V

GREEN1 — BAV99 — D11 — GND — A+5V

BLUE1 — D12 — GND — A+5V

| | | | |
|---|---|---|---|
| Title | VGA CONNECTOR | | |
| Size | Document Number | Rev | <Code> |
| Custom | <Doc> | | |
| Date | | Sheet 6 of 17 | |

2.5V ANALOG POWER

C454 10pF
C89 1nF
FB16
3.3V
GND
U10 NVD G O
14.318MHz OSC
22R R53
C94 10pF
GND
R217 R

+5V FB15
LM1117MPX-2.5 U9 IN GND OUT TAB
C90 10uF/16V
C91 10uF/16V
FB14 JA2.5V1
FB17 JA2.5V2

UNDER THESE LINES GND PLANE MUST BE CUT FROM VGA AS SHOWN ON VGA SHEET.

U11D JAGUAR

XIN A6
XOUT A7

A10 R2N
A11 R2P
A14 G2N
A15 G2P
A18 B2N
A19 B2P

6 ARED1N A12 R1N
6 ARED1P A13 R1P
6 AGREEN1N A16 G1N
6 AGREEN1P A17 G1P
6 ABLUE1N A20 B1N
6 ABLUE1P A21 B1P

A8 I1
A9 I2
C15 RREFH
C14 RREFL
C17 GREFH
C16 GREFL
C19 BREFH
C18 BREFL
C13 IREFH
C12 IREFL

IVDD2 D11
IVDD1 D12
RVDD2 D13
RVDD1 D14
GVDD2 D15
GVDD1 D16
BVDD2 D17
BVDD1 D18

C96 1nF
C98 0.1uF
C99 0.1uF
C100 0.1uF
C101 0.1uF
C102 1nF

IVSS2 B11
IVSS1 B12
RVSS2 B13
RVSS1 B14
GVSS2 B15
GVSS1 B16
BVSS2 B17
BVSS1 B18
SVSS B19
SVDD D19
AVSS1 C20
AVDD1 C10
AVDD2 C11
AVSS2 C7
CVSS2 B8
CVSS1 B9
CVDD2 D8
CVDD1 D9
AVDD3 C8
AVDD4 C9
DVDD D10
DVSS B10
XVSS B7
XVDD D7

QUIET ANALOG GND

R54 10R JA2.5V1
C103 1nF
C104 10uF/16V
R55 10R JA2.5V1
C105 1nF
C106 4.7uF/16V
CAPTURE PLL GND
C107 0.1uF
C109 1u
R212 47
C108 0.1uF
C110
R56 47 JA2.5V2
C111 0.1uF
C112 1u
R57 10 JA2.5V2
FB19 JA2.5V1
C113 0.1uF
C114 10uF/16V
FB20 3.3V
C115 0.1uF
C116 10uF/16V

VDDP1 B22
VDDP2 C22
VSSP1 A22
VSSP2 D22
PVSS1 B20
GPVSS B21
PVDD1 D20
GPVDD C21

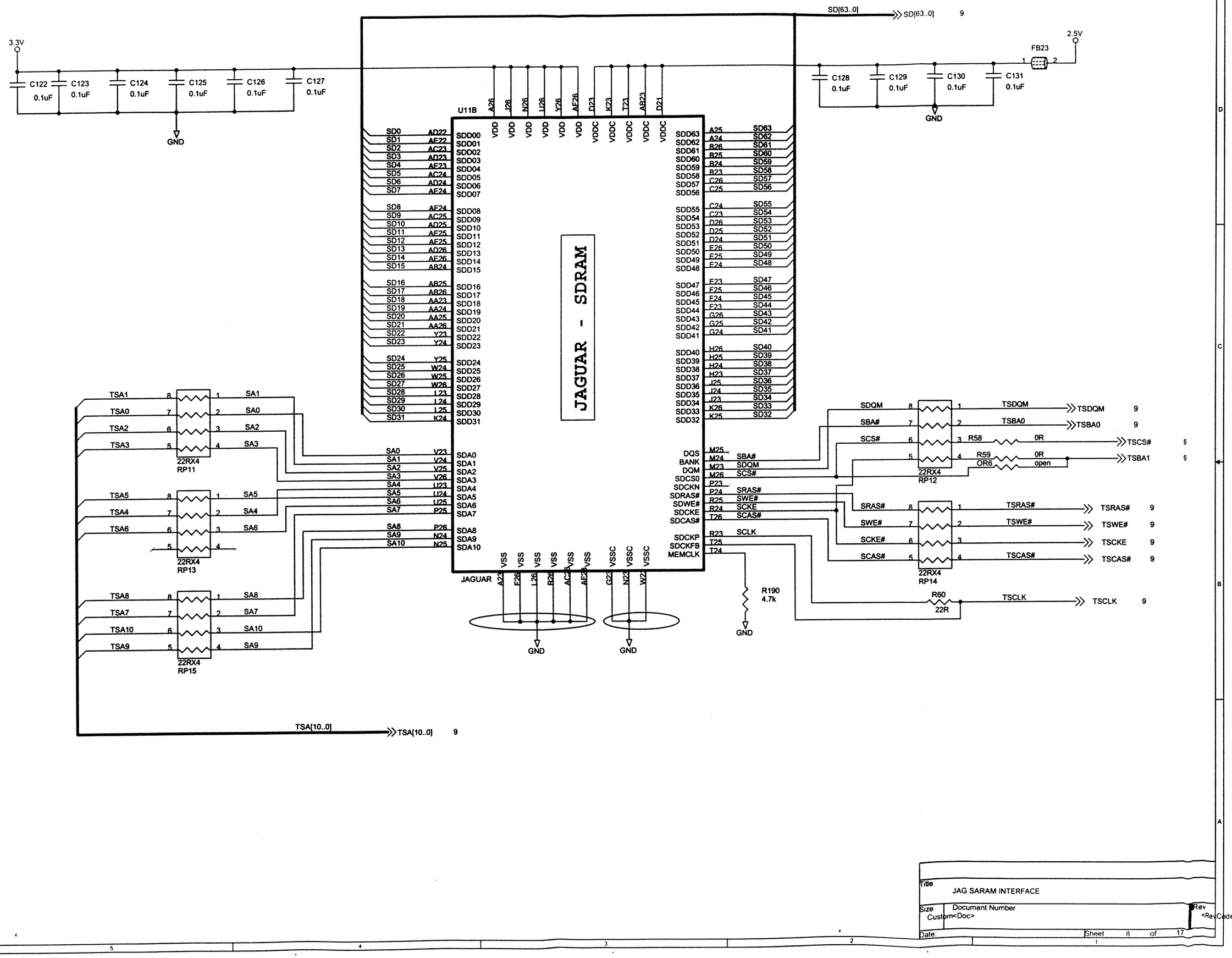
FB21 2.5V
C117 1nF
C118 0.1uF
FB22 2.5V
C121 1u
C119 0.1uF
C120 0.1uF

DIGITAL PLL GND

FB18 +5V A+5V

PLACE NEAR LM1117-2.5

| | | |
|---|---|---|
| Title | JAGUAR ANALOG INTERFACE | |
| Size | Document Number | Rev |
| Custom | <Doc> | 0.6 |
| Date: | Sheet 7 of 17 | |


JAGUAR - SDRAM
U11B
JAGUAR
SD[63..0]
SD[63..0] 9
3.3V
2.5V
FB23
C122 0.1uF
C123 0.1uF
C124 0.1uF
C125 0.1uF
C126 0.1uF
C127 0.1uF
C128 0.1uF
C129 0.1uF
C130 0.1uF
C131 0.1uF
GND
VDD
VDDC
VSS
VSSC
SDD0 SDD1 SDD2 SDD3 SDD4 SDD5 SDD6 SDD7
SDD8 SDD9 SDD10 SDD11 SDD12 SDD13 SDD14 SDD15
SDD16 SDD17 SDD18 SDD19 SDD20 SDD21 SDD22 SDD23
SDD24 SDD25 SDD26 SDD27 SDD28 SDD29 SDD30 SDD31
SDD32 SDD33 SDD34 SDD35 SDD36 SDD37 SDD38 SDD39 SDD40 SDD41 SDD42 SDD43 SDD44 SDD45 SDD46 SDD47
SDD48 SDD49 SDD50 SDD51 SDD52 SDD53 SDD54 SDD55
SDD56 SDD57 SDD58 SDD59 SDD60 SDD61 SDD62 SDD63
SD0 SD1 SD2 SD3 SD4 SD5 SD6 SD7
SD8 SD9 SD10 SD11 SD12 SD13 SD14 SD15
SD16 SD17 SD18 SD19 SD20 SD21 SD22 SD23
SD24 SD25 SD26 SD27 SD28 SD29 SD30 SD31
SD32 SD33 SD34 SD35 SD36 SD37 SD38 SD39 SD40 SD41 SD42 SD43 SD44 SD45 SD46 SD47
SD48 SD49 SD50 SD51 SD52 SD53 SD54 SD55
SD56 SD57 SD58 SD59 SD60 SD61 SD62 SD63
SA0 SA1 SA2 SA3 SA4 SA5 SA6 SA7
SA8 SA9 SA10
SDA0 SDA1 SDA2 SDA3 SDA4 SDA5 SDA6 SDA7
SDA8 SDA9 SDA10
DQS
BANK
DQM
SDCS0
SDCKN
SDRAS#
SDWE#
SDCKE
SDCAS#
SDCKP
SDCKFB
MEMCLK
SBA#
SDQM
SCS#
SRAS#
SWE#
SCKE
SCAS#
SCLK
TSA1 TSA0 TSA2 TSA3
TSA5 TSA4 TSA6
TSA8 TSA7 TSA10 TSA9
TSA[10..0]
TSA[10..0] 9
22RX4 RP11
22RX4 RP13
22RX4 RP15
22RX4 RP12
22RX4 RP14
TSDQM
TSBA0
TSCS#
TSBA1
TSRAS#
TSWE#
TSCKE
TSCAS#
TSCLK
R58 0R
R59 0R
OR6 open
R60 22R
R190 4.7k
Title
JAG SARAM INTERFACE
Size
Custom
Document Number
<Doc>
Rev
<RevCode>
Date:
Sheet 8 of 17

SD[63..0]

TSA[10..0]

U12

U13

K4S643232C

K4S643232C-TC/L70

3.3V

GND

R61
10k

TSBA0
TSBA1
TSCS#
TSCKE
TSCLK
TSRAS#
TSCAS#
TSWE#
TSDQM

DECOUPLING FOR SDRAMS

C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143
C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157
0.1uF

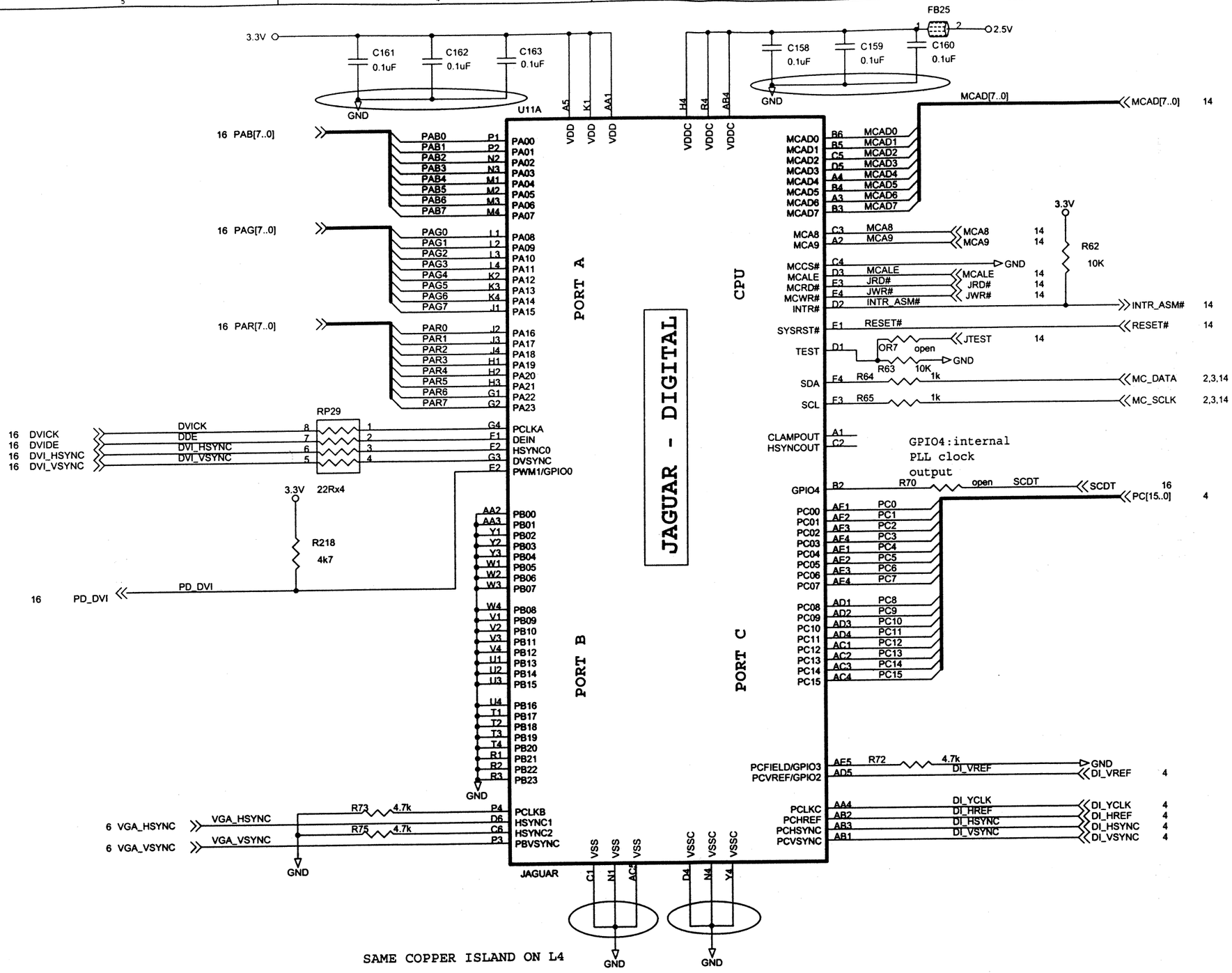
C144 C145
22uF/16V

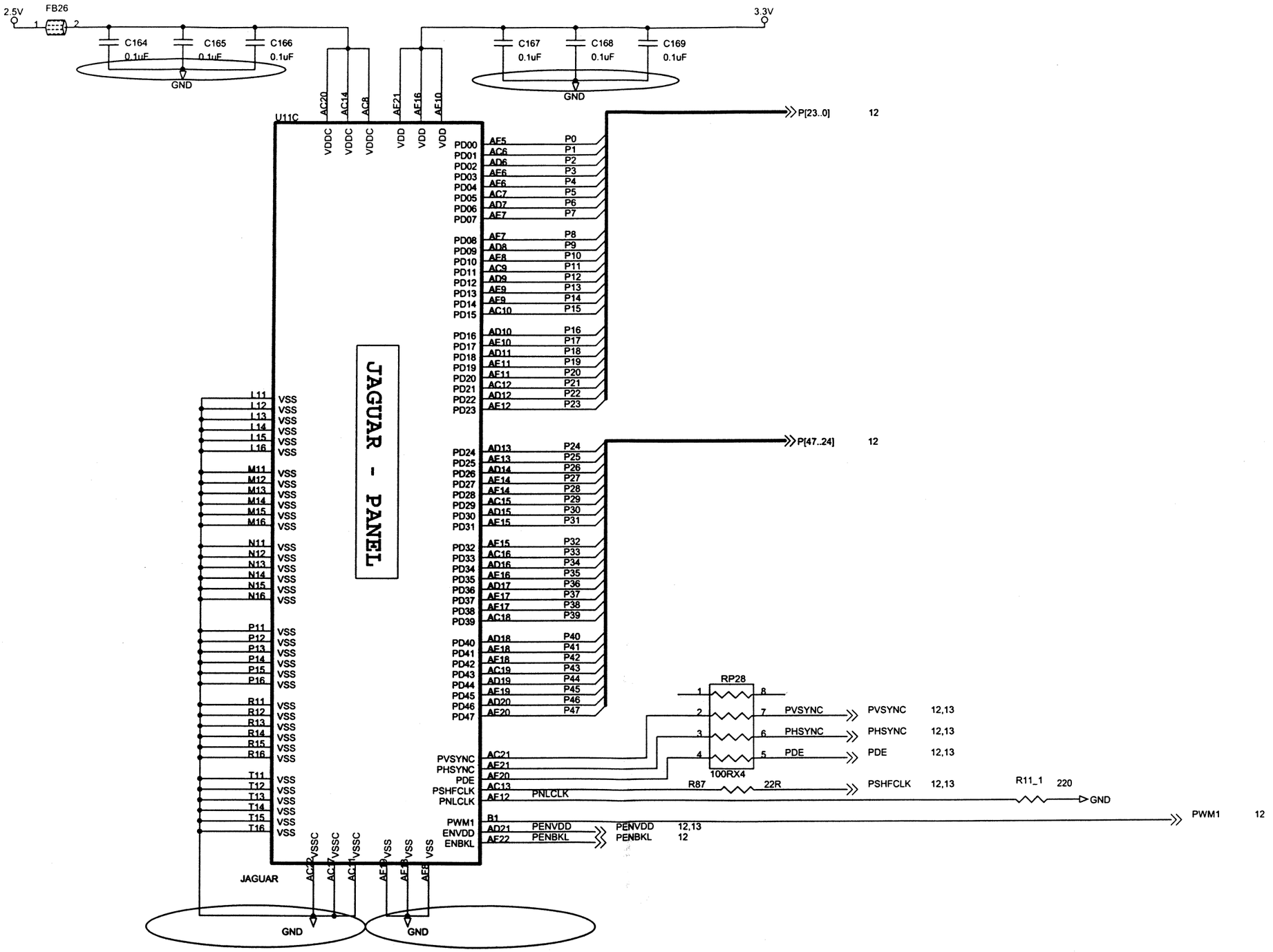
FB80 FB81 FB82 FB83

Title: SDRAM BASED FRAM BUFFER

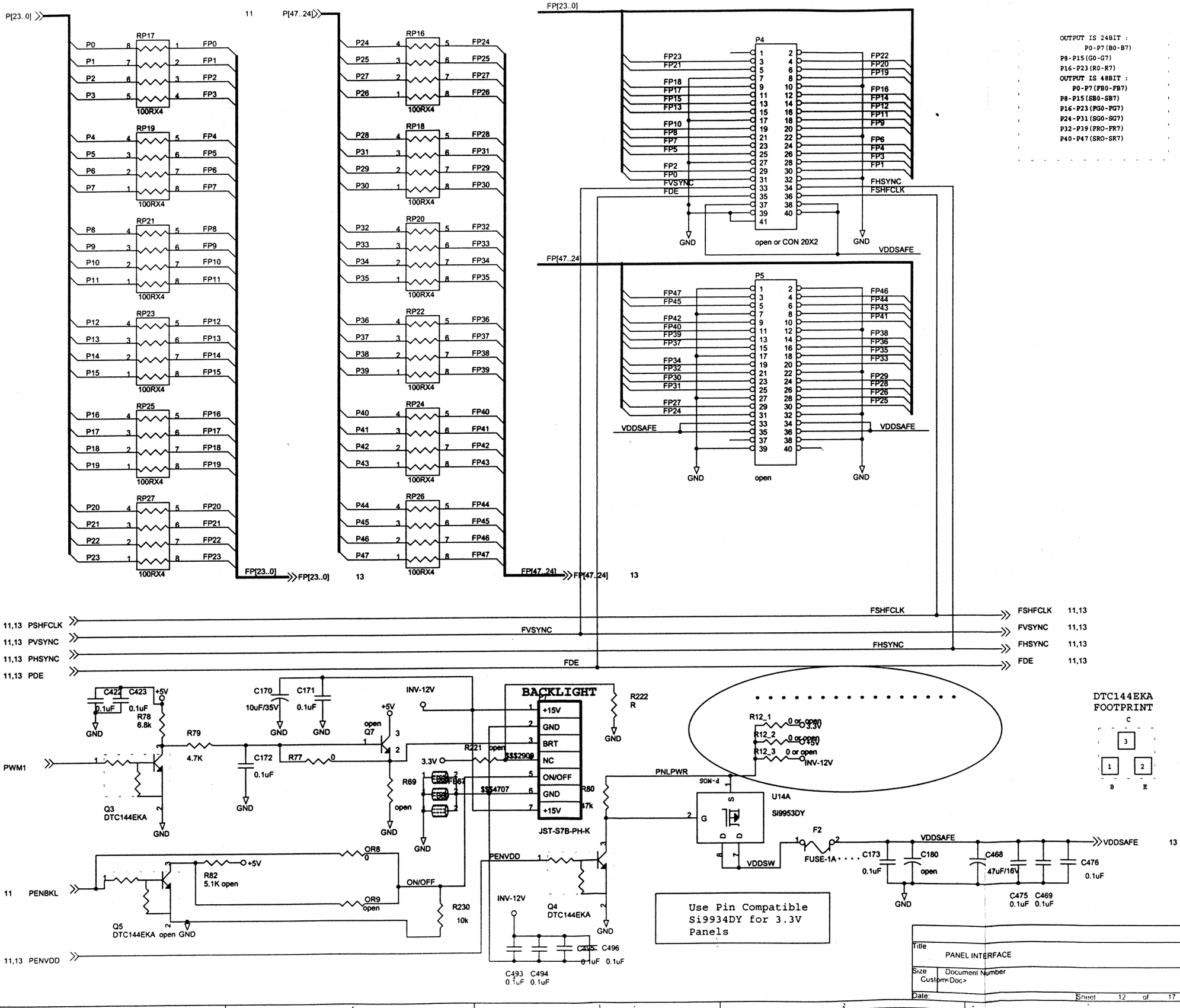
Size: Custom<Doc> | Document Number | Rev: 0.6

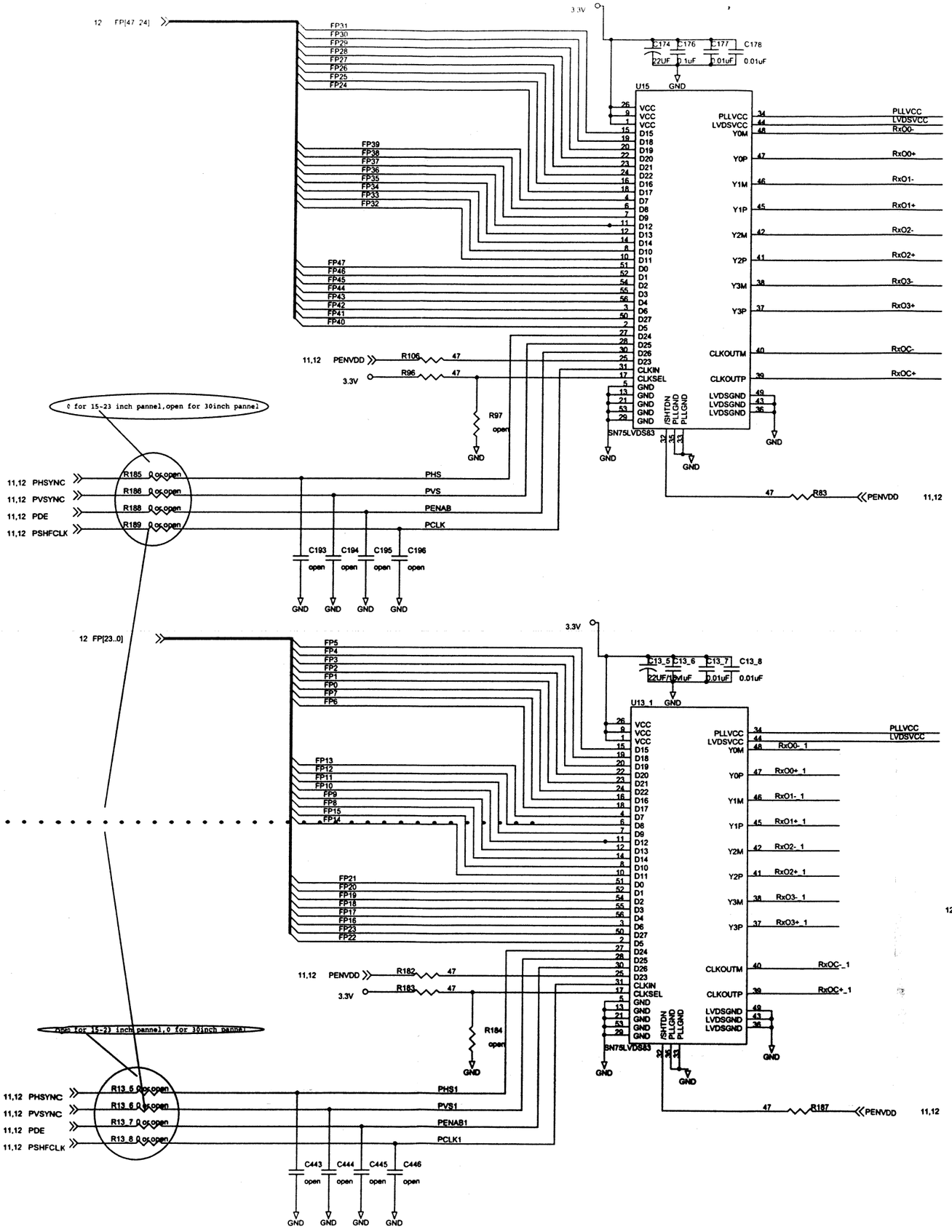
Date: | Sheet 9 of 17

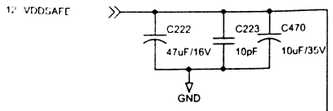

3.3V
C161 0.1uF
C162 0.1uF
C163 0.1uF
GND
U11A
A5
K1
AA1
H4
R4
AB4
VDD
VDD
VDD
VDDC
VDDC
VDDC
FB25
2.5V
C158 0.1uF
C159 0.1uF
C160 0.1uF
GND
MCAD[7..0]
MCAD[7..0] 14
16 PAB[7..0]
PAB0 P1
PAB1 P2
PAB2 N2
PAB3 N3
PAB4 M1
PAB5 M2
PAB6 M3
PAB7 M4
PA00
PA01
PA02
PA03
PA04
PA05
PA06
PA07
16 PAG[7..0]
PAG0 L1
PAG1 L2
PAG2 L3
PAG3 L4
PAG4 K2
PAG5 K3
PAG6 K4
PAG7 J1
PA08
PA09
PA10
PA11
PA12
PA13
PA14
PA15
16 PAR[7..0]
PAR0 J2
PAR1 J3
PAR2 J4
PAR3 H1
PAR4 H2
PAR5 H3
PAR6 G1
PAR7 G2
PA16
PA17
PA18
PA19
PA20
PA21
PA22
PA23
PORT A
JAGUAR - DIGITAL
CPU
MCAD0 B6 MCAD0
MCAD1 B5 MCAD1
MCAD2 C5 MCAD2
MCAD3 D5 MCAD3
MCAD4 A4 MCAD4
MCAD5 B4 MCAD5
MCAD6 A3 MCAD6
MCAD7 B3 MCAD7
3.3V
R62 10K
MCA8 C3 MCA8 MCA8 14
MCA9 A2 MCA9 MCA9 14
MCCS# C4 GND
MCALE D3 MCALE MCALE 14
JRD# E3 JRD# JRD# 14
JWR# E4 JWR# JWR# 14
INTR_ASM# D2 INTR_ASM# 14
SYSRST# E1 RESET# RESET# 14
TEST D1 JTEST 14
OR7 open
R63 10K
GND
SDA E4 R64 1k MC_DATA 2,3,14
SCL E3 R65 1k MC_SCLK 2,3,14
CLAMPOUT A1
HSYNCOUT C2
GPIO4:internal PLL clock output
GPIO4 B2 R70 open SCDT SCDT 16
PC[15..0] 4
PC00 AE1 PC0
PC01 AE2 PC1
PC02 AE3 PC2
PC03 AE4 PC3
PC04 AE1 PC4
PC05 AE2 PC5
PC06 AE3 PC6
PC07 AE4 PC7
PC08 AD1 PC8
PC09 AD2 PC9
PC10 AD3 PC10
PC11 AD4 PC11
PC12 AC1 PC12
PC13 AC2 PC13
PC14 AC3 PC14
PC15 AC4 PC15
PORT C
RP29
16 DVICK
16 DVIDE
16 DVI_HSYNC
16 DVI_VSYNC
DVICK 8 1 G4 PCLKA
DDE 7 2 E1 DEIN
DVI_HSYNC 6 3 F2 HSYNC0
DVI_VSYNC 5 4 G3 DVSYNC
E2 PWM1/GPIO0
3.3V 22Rx4
R218 4k7
16 PD_DVI
PD_DVI
AA2 PB00
AA3 PB01
Y1 PB02
Y2 PB03
Y3 PB04
W1 PB05
W2 PB06
W3 PB07
W4 PB08
V1 PB09
V2 PB10
V3 PB11
V4 PB12
U1 PB13
U2 PB14
U3 PB15
U4 PB16
T1 PB17
T2 PB18
T3 PB19
T4 PB20
R1 PB21
R2 PB22
R3 PB23
PORT B
GND
PCFIELD/GPIO3 AE5 R72 4.7k GND
PCVREF/GPIO2 AD5 DI_VREF DI_VREF 4
PCLKC AA4 DI_YCLK DI_YCLK 4
PCHREF AB2 DI_HREF DI_HREF 4
PCHSYNC AB3 DI_HSYNC DI_HSYNC 4
PCVSYNC AB1 DI_VSYNC DI_VSYNC 4
6 VGA_HSYNC
6 VGA_VSYNC
VGA_HSYNC R73 4.7k P4 PCLKB
VGA_VSYNC R75 4.7k D6 HSYNC1
C6 HSYNC2
P3 PBVSYNC
GND
VSS
VSS
VSS
VSSC
VSSC
VSSC
C1
N1
AC2
D4
N4
Y4
JAGUAR
GND
GND
SAME COPPER ISLAND ON L4
Title
JAG DIGITAL INTERFACE
Size
Custom<Doc>
Document Number
Rev
0.6
Date:
Sheet 10 of 17



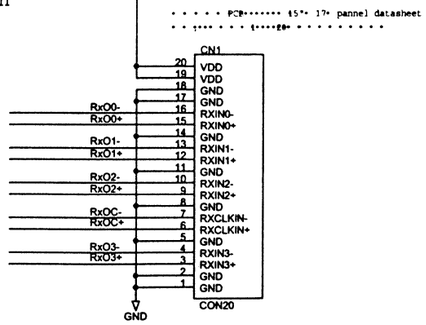

| | |
|---|---|
| Title | JAG PANEL INTERFACE |
| Size | Custom<Doc> |
| Document Number | |
| Rev | 0.6 |
| Date: | |
| Sheet | 11 of 17 |


P[23..0]
P[47..24]
RP17
RP19
RP21
RP23
RP25
RP27
RP16
RP18
RP20
RP22
RP24
RP26
100RX4
FP[23..0]
FP[47..24]
P4
P5
FP23
FP21
FP18
FP17
FP15
FP13
FP10
FP8
FP7
FP5
FP2
FP0
FVSYNC
FDE
FP22
FP20
FP19
FP16
FP14
FP12
FP11
FP9
FP6
FP4
FP3
FP1
FHSYNC
FSHFCLK
GND
open or CON 20X2
VDDSAFE
FP47
FP45
FP42
FP40
FP39
FP37
FP34
FP32
FP30
FP31
FP27
FP24
FP46
FP44
FP43
FP41
FP38
FP36
FP35
FP33
FP29
FP28
FP26
FP25
open
OUTPUT IS 24BIT :
P0-P7(B0-B7)
P8-P15(G0-G7)
P16-P23(R0-R7)
OUTPUT IS 48BIT :
P0-P7(FB0-FB7)
P8-P15(SB0-SB7)
P16-P23(FG0-FG7)
P24-P31(SG0-SG7)
P32-P39(FR0-FR7)
P40-P47(SR0-SR7)
11,13 PSHFCLK
11,13 PVSYNC
11,13 PHSYNC
11,13 PDE
FSHFCLK 11,13
FVSYNC 11,13
FHSYNC 11,13
FDE 11,13
C422 C423 +5V
0.1uF 0.1uF
R78 6.8k
R79 4.7K
C172 0.1uF
R77 0
Q3 DTC144EKA
11 PWM1
C170 C171
10uF/35V 0.1uF
INV-12V
open Q7
R221 open
3.3V
R69 open
BACKLIGHT
+15V
GND
BRT
NC
ON/OFF
JST-S7B-PH-K
R222 R
R80 47k
PNLPWR
SOH-d
U14A
Si9953DY
F2
FUSE-1A
VDDSW
C173 0.1uF
C180 open
C468 47uF/16V
C475 0.1uF
C469 0.1uF
C476 0.1uF
VDDSAFE 13
R12_1 0 or open 3.3V
R12_2 0 or open +5V
R12_3 0 or open INV-12V
DTC144EKA FOOTPRINT
OR8 0
OR9 open
R82 5.1K open
Q5 DTC144EKA open
11 PENBKL
ON/OFF
R230 10k
PENVDD
Q4 DTC144EKA
C493 0.1uF
C494 0.1uF
C495 C496 0.1uF 0.1uF
11,13 PENVDD
Use Pin Compatible Si9934DY for 3.3V Panels
Title
PANEL INTERFACE
Size
Custom<Doc>
Document Number
Rev 0.6
Date:
Sheet 12 of 17

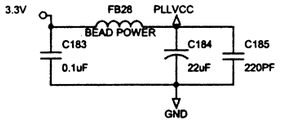


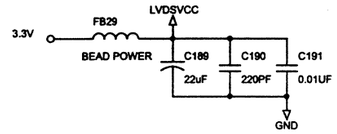




NOTE:C470 For 23inch
C222 for 15inch

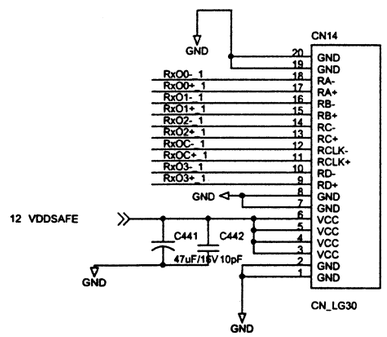


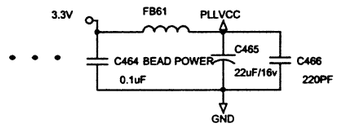

GND3 CONNECT TO LCD'S METAL FRAME

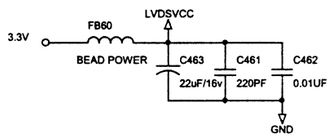



• • • • • PCB• • • • • • 50"pannel datasheet
• • ;• • • • • pin to pin(• • • 1• • • 1• • • • • • ) • • •




GND3 CONNECT TO LCD'S METAL FRAME

| | | | |
|---|---|---|---|
| Title | LVDS PANEL | | |
| Size C | Document Number <Doc> | | Rev <RevCode> |
| Date | | Sheet 13 of 17 | |

JRD# → JRD# 10
JWR# → JWR# 10
JTEST → JTEST 10

## RESET

+3.3V_MCU, R103 47K, C224 0.1UF, GND
U27: PBRST_, RST, GND, VCC, RST- → RESET, GND, RESET# 10
SW1, PB, C225 1UF
DS1819C for 3.3V  DS1814C for 5V

## DEBUG PORT

P8: 3.3V_MCU, RXD, TXD, EA#, GND
JST-S5B-PH-K

## U19 80C32

C198 12pF, C199 12pF, Y2 27MHZ, X1, X2, VCC
R202 0 or open, R203 0 or open, R204 0 or open, 3.3V, +3.3V_MCU
C213 0.1uF, GND
VCC=44
GND=22

RXD 11 P3.0/RXD
TXD 13 P3.1/TXD
INTR_ASM# 14 P3.2/INT0#
INTR_Main# 15 P3.3/INT1#
JTEST 16 P3.4/T0
RST_2200# 17 P3.5/T1
RD#/P3.7 19 MCRD#
WR#/P3.6 18 MCWR#
ALE/P 33
PSEN 32

0 for Germany, open for China
MC_SCLK 2 P1.0
MC_DATA 3 P1.1
RR4 1 0 or OPEN
REST 4 P1.2
MCA16 5 P1.3
MCA17 6 P1.4
SCL2 7 P1.5
SDA2 8 P1.6
P1.7

A8/P2.0 24 MCA8
A9/P2.1 25 MCA9
A10/P2.2 26 MCA10
A11/P2.3 27 MCA11
A12/P2.4 28 MCA12
A13/P2.5 29 MCA13
A14/P2.6 30 MCA14
A15/P2.7 31 MCA15

AD0/P0.0 43 MCAD0
AD1/P0.1 42 MCAD1
AD2/P0.2 41 MCAD2
AD3/P0.3 40 MCAD3
AD4/P0.4 39 MCAD4
AD5/P0.5 38 MCAD5
AD6/P0.6 37 MCAD6
AD7/P0.7 36 MCAD7

EA# 35 EA/VP
RESET 10 RESET
OR10 OPEN, OR11 1K
80C32-PLCC44

MCA[15..0]

## U21 SN74LV373A

MCAD0..7 → D0..D7, MCALE → G, Q0..Q7 → MCA0..MCA7, +3.3V_MCU, GND

## U20 74lv139

U20A: MCA14, MCA15, MCRD# → Y0 EA#, Y1 JRD#, Y2, Y3
U20B: MCA14, MCA15, MCWR# → Y0 JWR#, Y1, Y2, Y3
+3.3V_MCU, GND

D13 BAV70, R219 open, R220 10k

## U30 AM27C020/SO

MCA0..MCA17 → A0..A17
D0..D7 → MCAD0..MCAD7
CE, OE, PGM, VPP, VCC, GND
PSEN# → OE, FLASHWE# → PGM
C453 0.1u

## U31 AM27C020/SO

MCA0..MCA17 → A0..A17
D0..D7 → MCAD0..MCAD7
CE, OE, PGM, VPP, VCC, GND
PSEN# → OE, FLASHWE# → PGM
C452 0.1u

## CONFIGURATION DATA

U22 SEEPROM AT24C16: A0, A1, A2, GND, VCC, TEST, SCL, SDA
MC_SCLK, MC_DATA
C449 0.1u, C450 0.1u, C451 0.1u

## BIOS

U23 W27C020/SST29E020 SOCKET-DIP32
MCAD0..MCAD7 → DQ0..DQ7
MCA0..MCA16 → A0..A16
A17, VCC, NC, GND
OE → PSEN#, WE → FLASHWE#, CE
29EE010-DIP32

C211 0.1uF, C215 0.1uF
OR12 OPEN, R95 10K, +3.3V_MCU
MCA8 → MCA8 10, MCA9 → MCA9 10
MCALE → MCALE 10
MCAD[7..0] 10

H1 +3.3V_MCU, H2 MCA7, H3 MCAD7, H4 MCAD6, H5 MCA6
H6 MCA5, H7 MCA15, H8 MCA14, H9 MCA, H10 MCALE

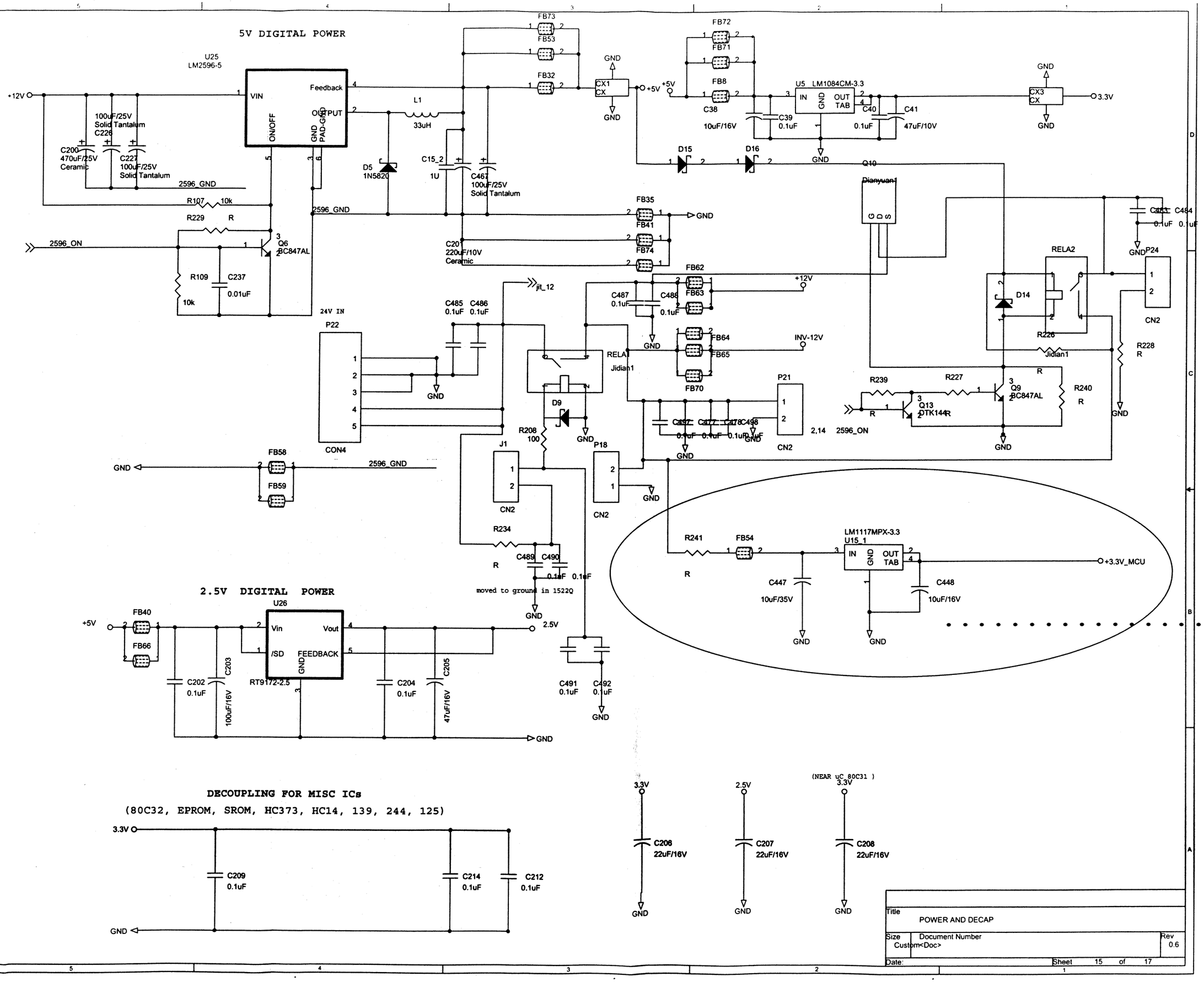
## light

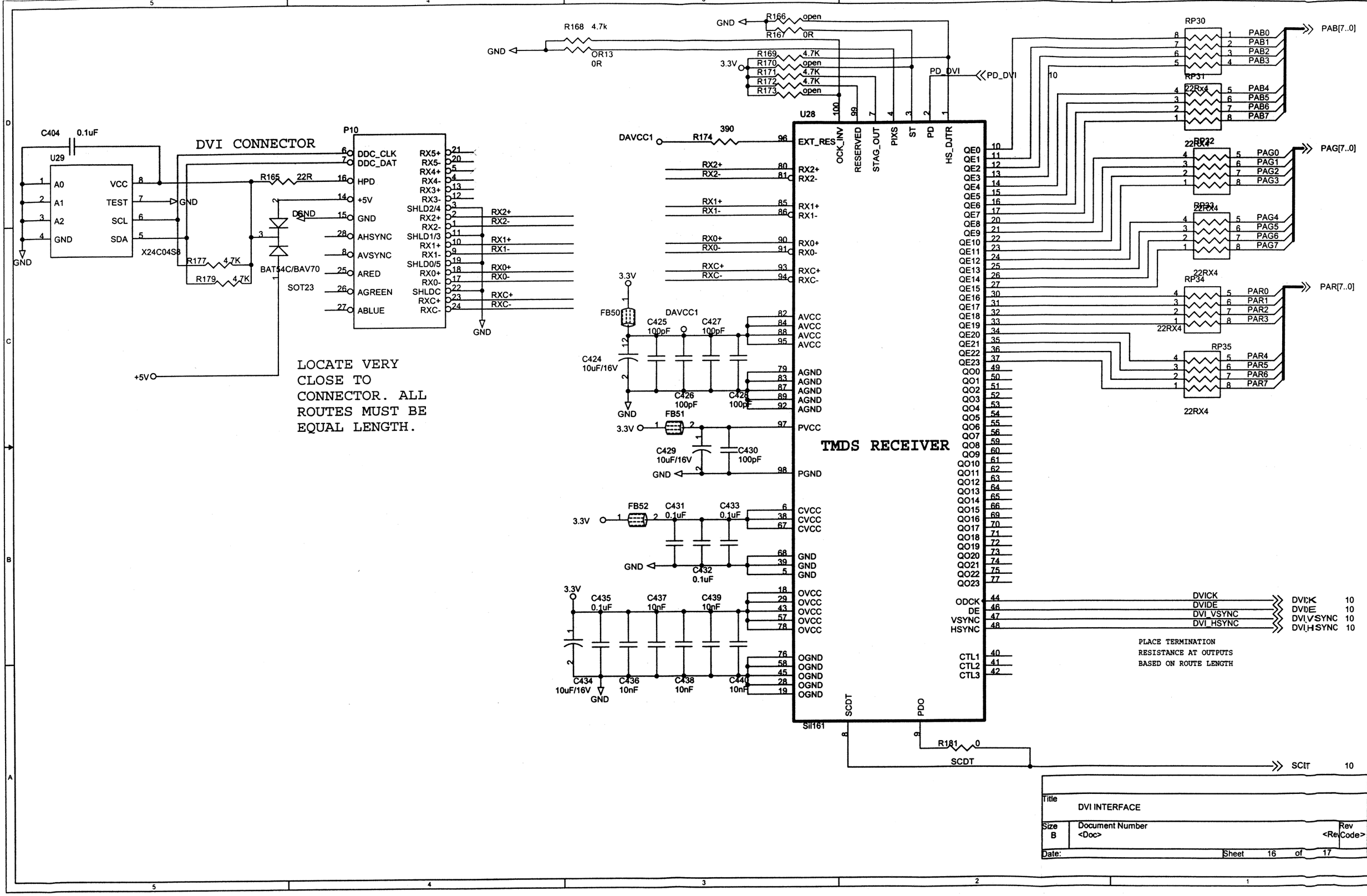
Q12 BC847AL, R237 1K, R238 1K, 2596_ON 2,15

## MCWR#

R205 4.7k, R206 1k, Q8 BC847AL, D8 BAV70, R207 3k3, FLASHWE#
Q11 BC847AL, R235

Title: MICROCONTROLLER 80C32
Size: A3  Document Number: <Doc>  Rev: 0.6
Date:  Sheet 14 of 17


5V DIGITAL POWER
U25
LM2596-5
VIN
Feedback
OUTPUT
ON/OFF
GND PAD-GND
+12V
100uF/25V
Solid Tantalum
C226
C200
470uF/25V
Ceramic
C227
100uF/25V
Solid Tantalum
2596_GND
L1
33uH
FB73
FB53
FB32
GND
CX1
CX
+5V
FB72
FB71
FB8
C38
U5 LM1084CM-3.3
IN
GND
OUT
TAB
C39
10uF/16V
0.1uF
C40
0.1uF
C41
47uF/10V
CX3
3.3V
D5
1N5820
C15_2
1U
C467
100uF/25V
Solid Tantalum
D15
D16
Q10
Dianyuan1
R107
10k
R229
R
2596_ON
Q6
BC847AL
R109
10k
C237
0.01uF
FB35
FB41
FB74
C20
220uF/10V
Ceramic
C483
C484
0.1uF
0.1uF
P24
CN2
RELA2
D14
R226
Jidian1
R228
R
FB62
FB63
C487
0.1uF
C488
0.1uF
+12V
jit_12
24V IN
P22
CON4
C485
0.1uF
C486
0.1uF
RELA1
Jidian1
FB64
FB65
FB70
INV-12V
P21
C457
C477
C478
C498
0.1uF
0.1uF
0.1uF
0.1uF
2,14 2596_ON
R239
R227
Q9
BC847AL
Q13
DTK144R
R240
R
D9
R208
100
J1
P18
CN2
CN2
FB58
FB59
2596_GND
R234
R
C489
C490
0.1uF
0.1uF
moved to ground in 1522Q
LM1117MPX-3.3
U15_1
R241
R
FB54
C447
10uF/35V
C448
10uF/16V
+3.3V_MCU
2.5V DIGITAL POWER
U26
FB40
FB66
+5V
Vin
Vout
/SD
FEEDBACK
GND
RT9172-2.5
2.5V
C202
0.1uF
C203
100uF/16V
C204
0.1uF
C205
47uF/16V
C491
0.1uF
C492
0.1uF
DECOUPLING FOR MISC ICs
(80C32, EPROM, SROM, HC373, HC14, 139, 244, 125)
3.3V
C209
0.1uF
C214
0.1uF
C212
0.1uF
(NEAR uC 80C31 )
C206
22uF/16V
C207
22uF/16V
C208
22uF/16V
Title
POWER AND DECAP
Size
Custom<Doc>
Document Number
Rev
0.6
Date:
Sheet 15 of 17


DVI CONNECTOR
P10
C404 0.1uF
U29
X24C04S8
R165 22R
R177 4.7K
R179 4.7K
BAT54C/BAV70
SOT23
DGND
DDC_CLK
DDC_DAT
HPD
+5V
GND
AHSYNC
AVSYNC
ARED
AGREEN
ABLUE
RX5+
RX5-
RX4+
RX4-
RX3+
RX3-
SHLD2/4
RX2+
RX2-
SHLD1/3
RX1+
RX1-
SHLD0/5
RX0+
RX0-
SHLDC
RXC+
RXC-
+5V
LOCATE VERY CLOSE TO CONNECTOR. ALL ROUTES MUST BE EQUAL LENGTH.
R168 4.7k
OR13 0R
R166 open
R167 0R
R169 4.7K
R170 open
R171 4.7K
R172 4.7K
R173 open
PD_DVI
U28
R174 390
DAVCC1
EXT_RES
OCK_INV
RESERVED
STAG_OUT
PIXS
ST
PD
HS_DJTR
RX2+
RX2-
RX1+
RX1-
RX0+
RX0-
RXC+
RXC-
FB50
C425 100pF
C427 100pF
C424 10uF/16V
C426 100pF
C428 100pF
AVCC
AGND
FB51
C429 10uF/16V
C430 100pF
PVCC
PGND
FB52
C431 0.1uF
C433 0.1uF
CVCC
GND
C432 0.1uF
C435 0.1uF
C437 10nF
C439 10nF
C434 10uF/16V
C436 10nF
C438 10nF
C440 10nF
OVCC
OGND
QE0
QE1
QE2
QE3
QE4
QE5
QE6
QE7
QE8
QE9
QE10
QE11
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ODCK
DE
VSYNC
HSYNC
CTL1
CTL2
CTL3
SCDT
PDO
Sil161
TMDS RECEIVER
RP30
RP31
RP32
RP33
RP34
RP35
22RX4
PAB0
PAB1
PAB2
PAB3
PAB4
PAB5
PAB6
PAB7
PAG0
PAG1
PAG2
PAG3
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PAR0
PAR1
PAR2
PAR3
PAR4
PAR5
PAR6
PAR7
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PAG[7..0]
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DVICK
DVIDE
DVI_VSYNC
DVI_HSYNC
PLACE TERMINATION RESISTANCE AT OUTPUTS BASED ON ROUTE LENGTH
R181 0
SCDT
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Size B
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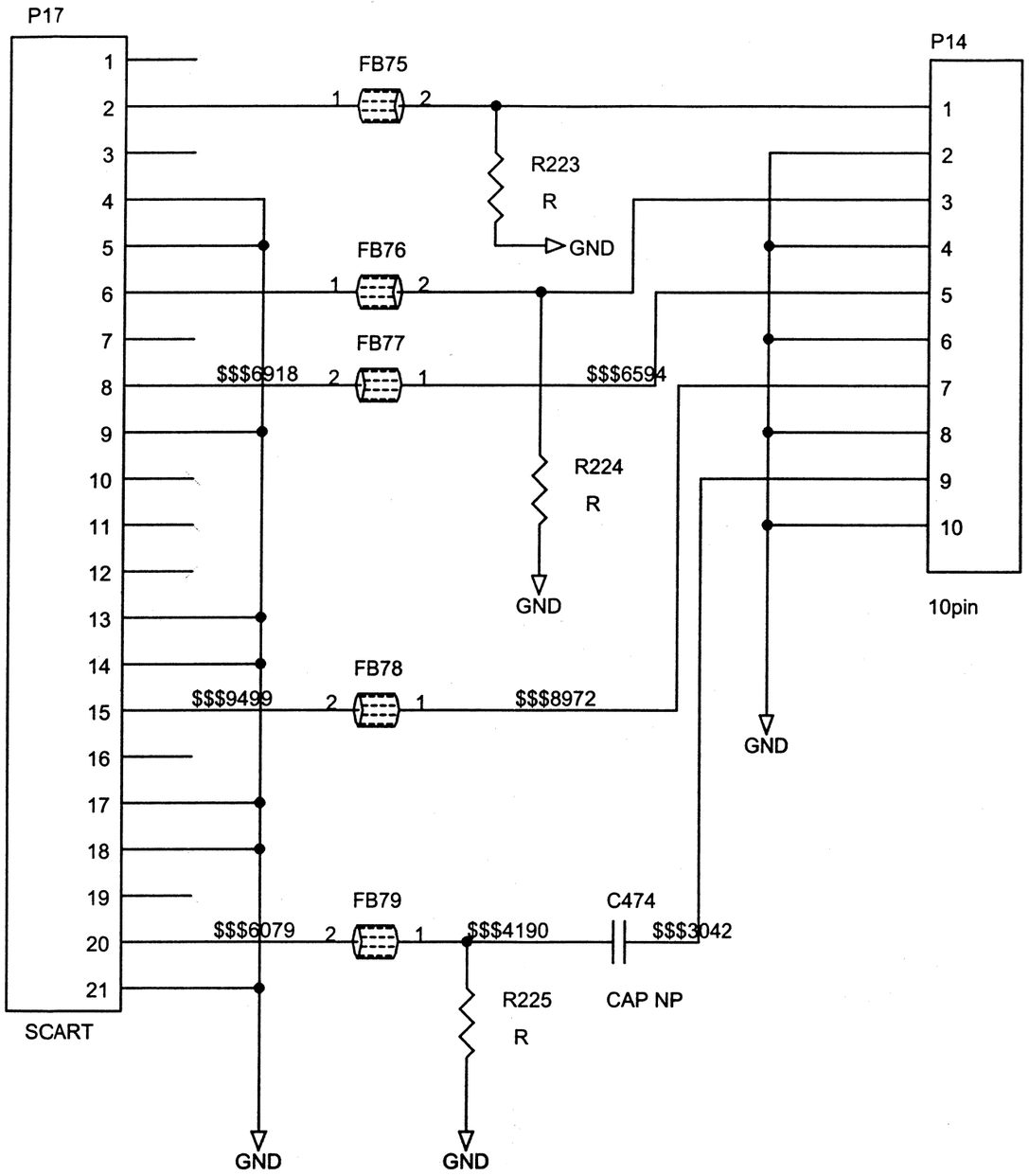
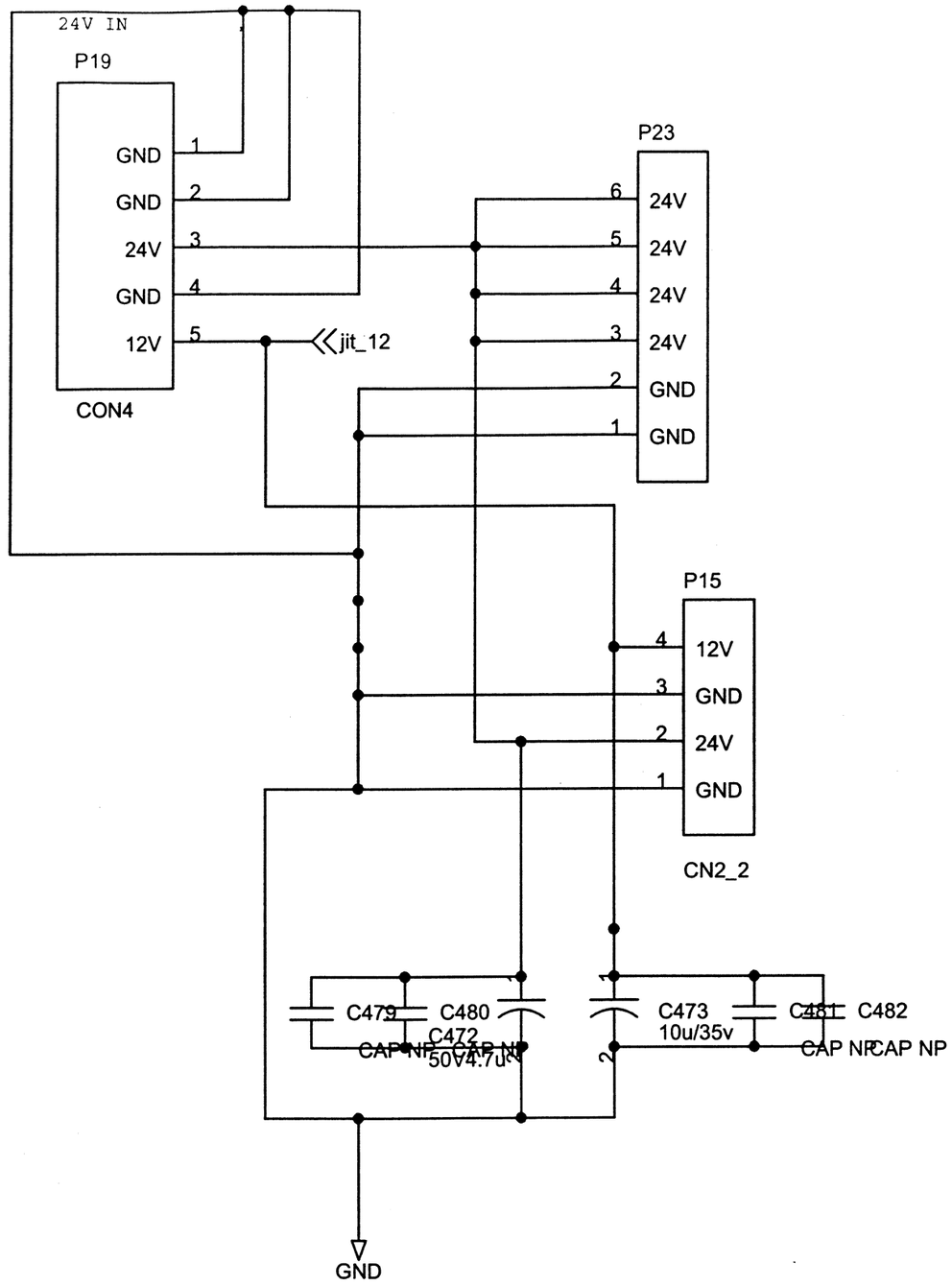
Sheet 16 of 17

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| Date: | Sheet 17 of 17 | |

IC701

VCT3834A

VCT3834A

TUNER BOX

SOFT LOAD PORT
RJ45

DISPLAY CONTROL

IC5502
MSP34IGPLQFP64

TEA6415CD

IC8001
TA2024

P1001
CON8
HSYNC
VSYNC
R OUT
B OUT
G OUT
DISPLAY OUT

X5530
EARPHONE

P5801
CON6

X5520

X5540
P5540
CON10
SS540
SCART IN3

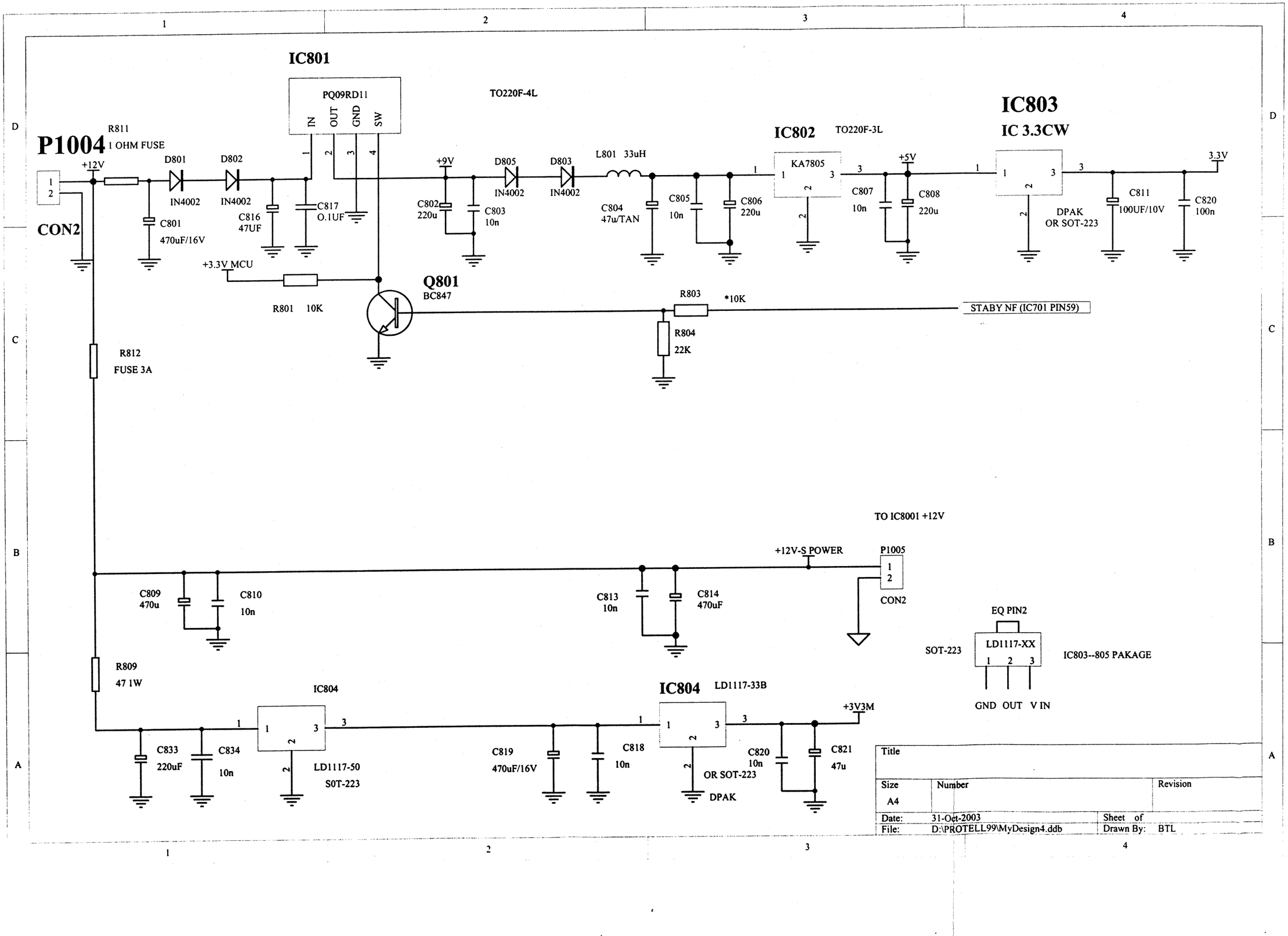
SCART IN2
L5265 NO USE

SCART IN1

15265 POWER IC:TPA1517

DISPLAY CONTROL

LCDTV 3026S/2326S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PQ09RD11
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IN
OUT
GND
SW
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R811
1 OHM FUSE
+12V
D801
D802
IN4002
IN4002
C801
470uF/16V
C816
47UF
C817
O.1UF
CON2
+3.3V MCU
R801 10K
Q801
BC847
+9V
C802
220u
C803
10n
D805
D803
IN4002
IN4002
L801 33uH
C804
47u/TAN
C805
10n
C806
220u
IC802
TO220F-3L
KA7805
C807
10n
+5V
C808
220u
IC803
IC 3.3CW
DPAK
OR SOT-223
C811
100UF/10V
C820
100n
3.3V
R803
*10K
STABY NF (IC701 PIN59)
R804
22K
R812
FUSE 3A
TO IC8001 +12V
+12V-S POWER
P1005
CON2
C809
470u
C810
10n
C813
10n
C814
470uF
R809
47 1W
IC804
C833
220uF
C834
10n
LD1117-50
S0T-223
C819
470uF/16V
C818
10n
IC804
LD1117-33B
OR SOT-223
DPAK
C820
10n
C821
47u
+3V3M
EQ PIN2
SOT-223
LD1117-XX
GND OUT V IN
IC803--805 PAKAGE
Title
Size
A4
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31-Oct-2003
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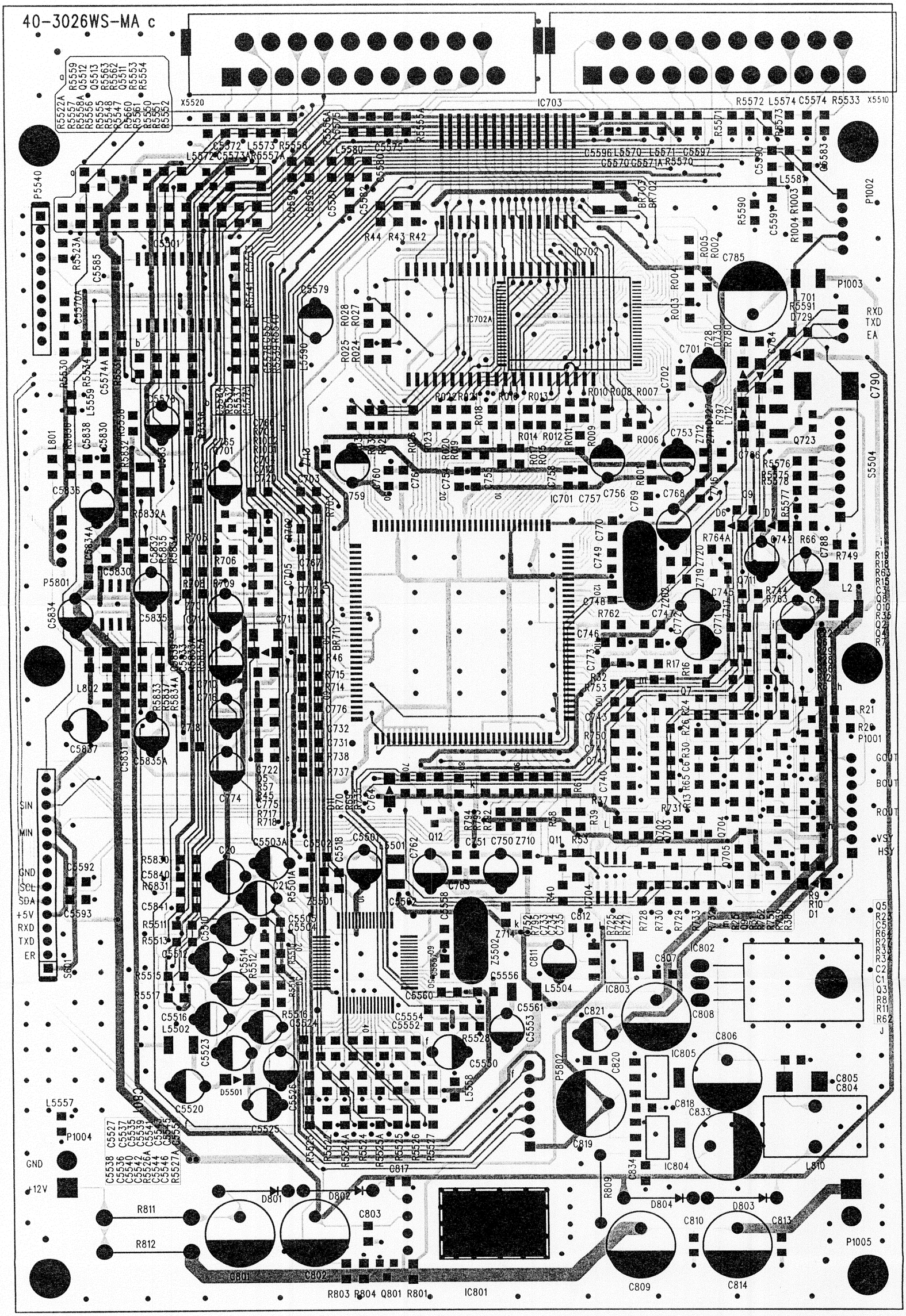

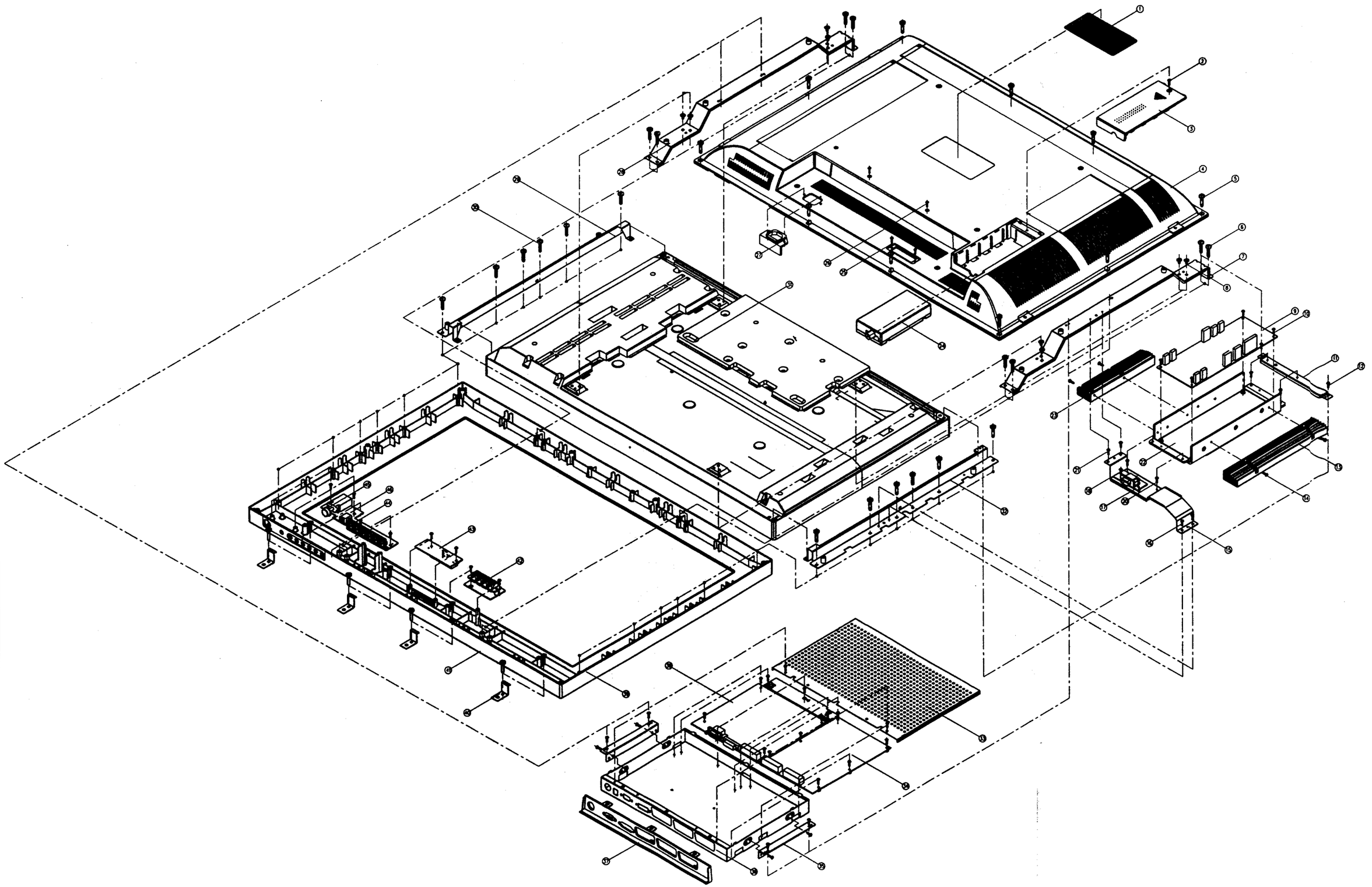

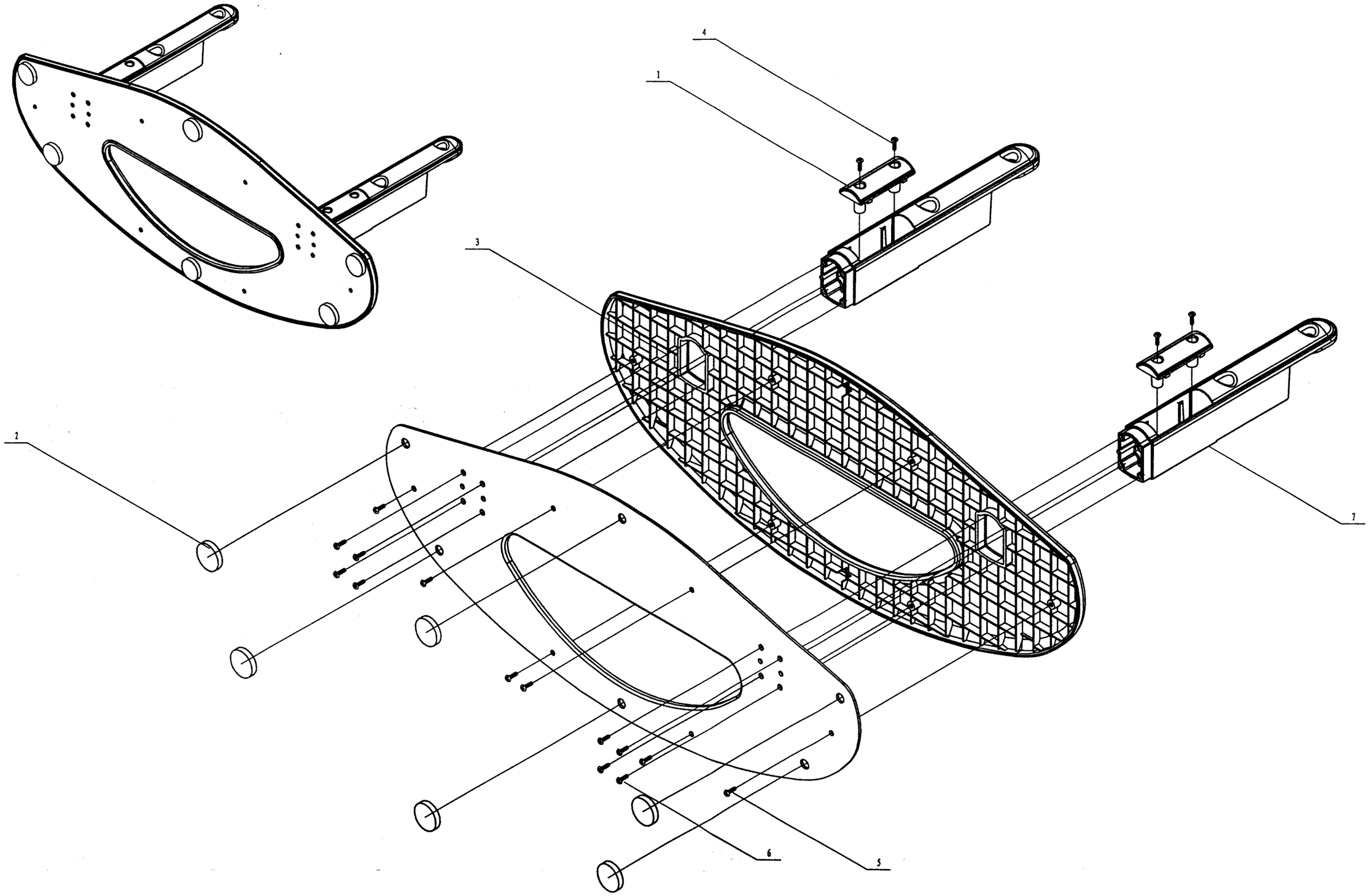
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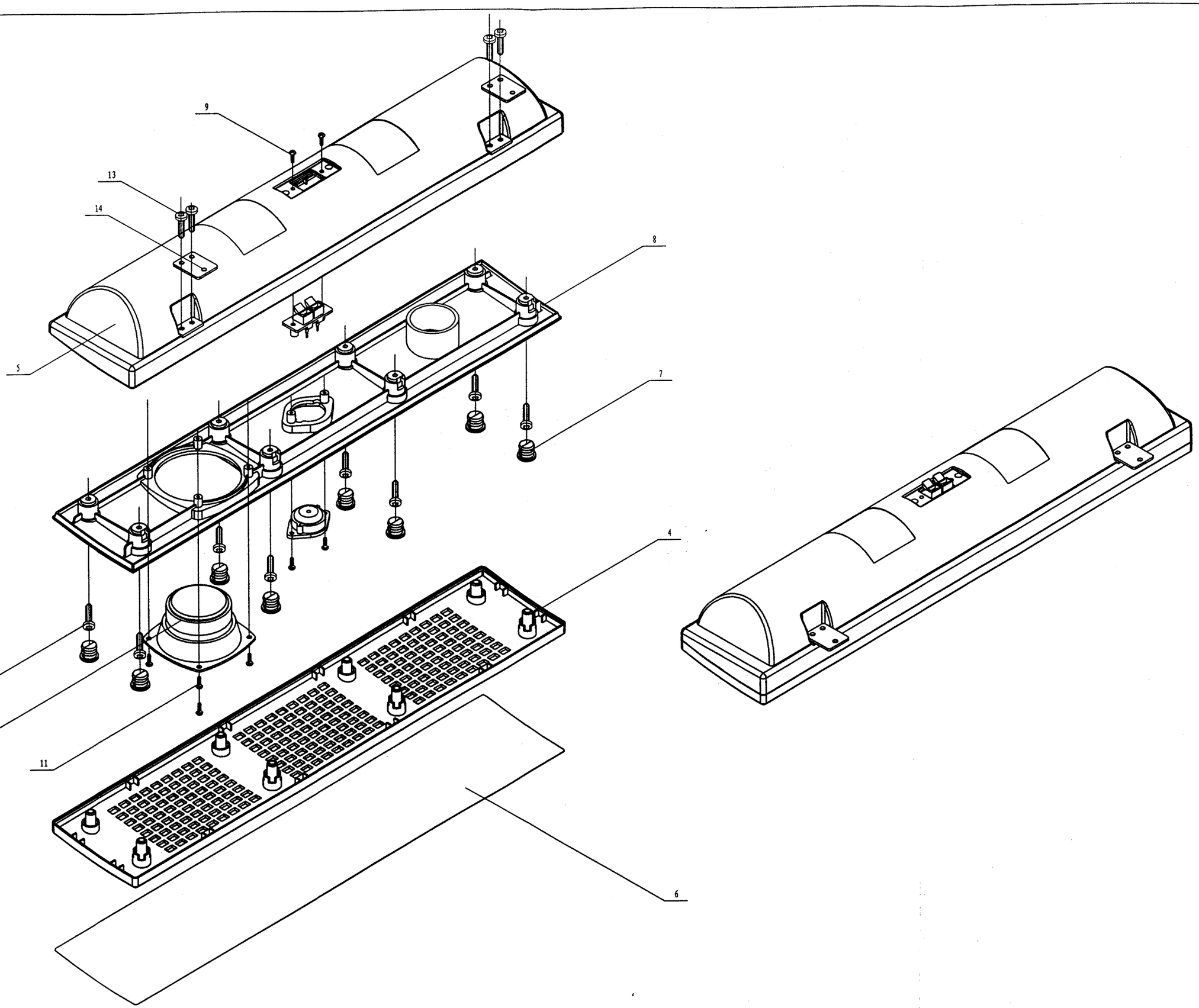
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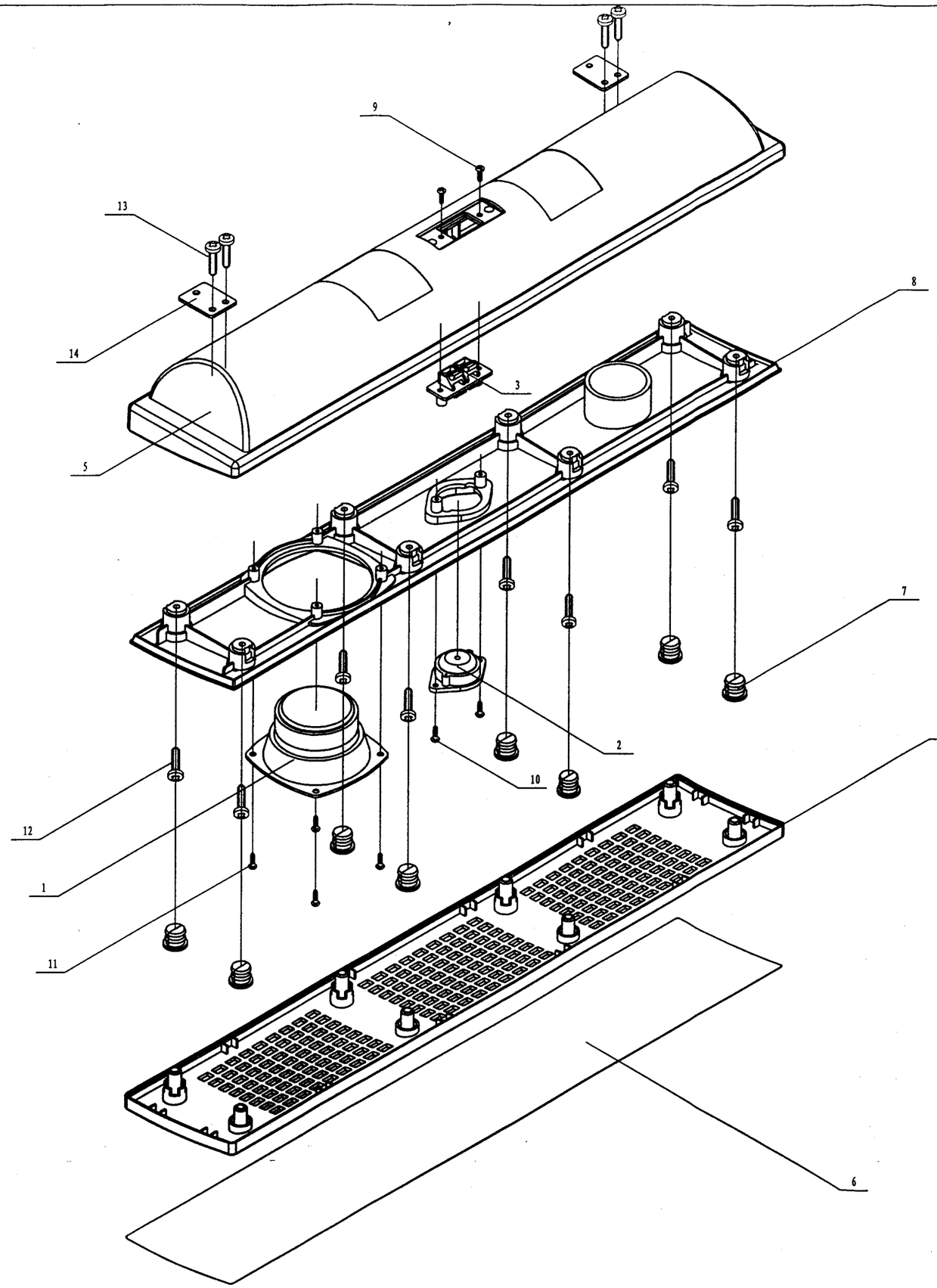
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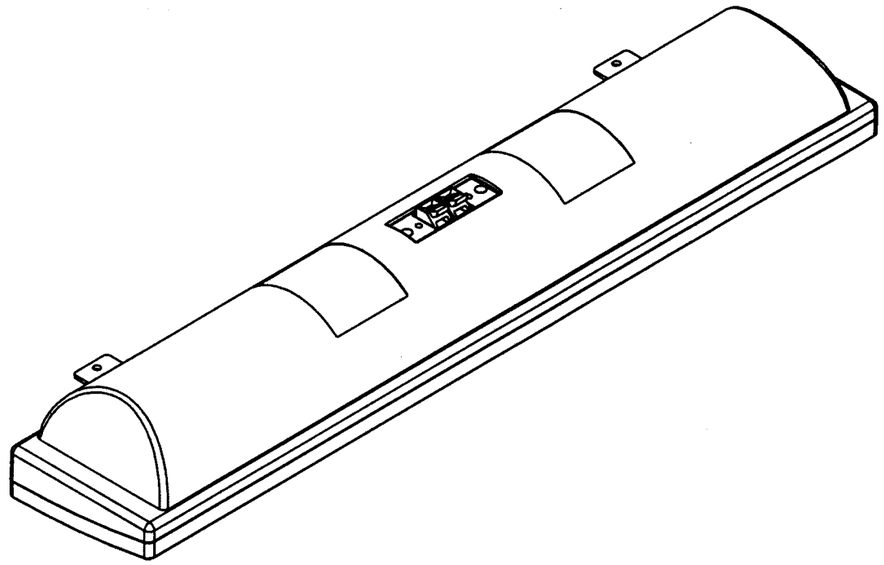

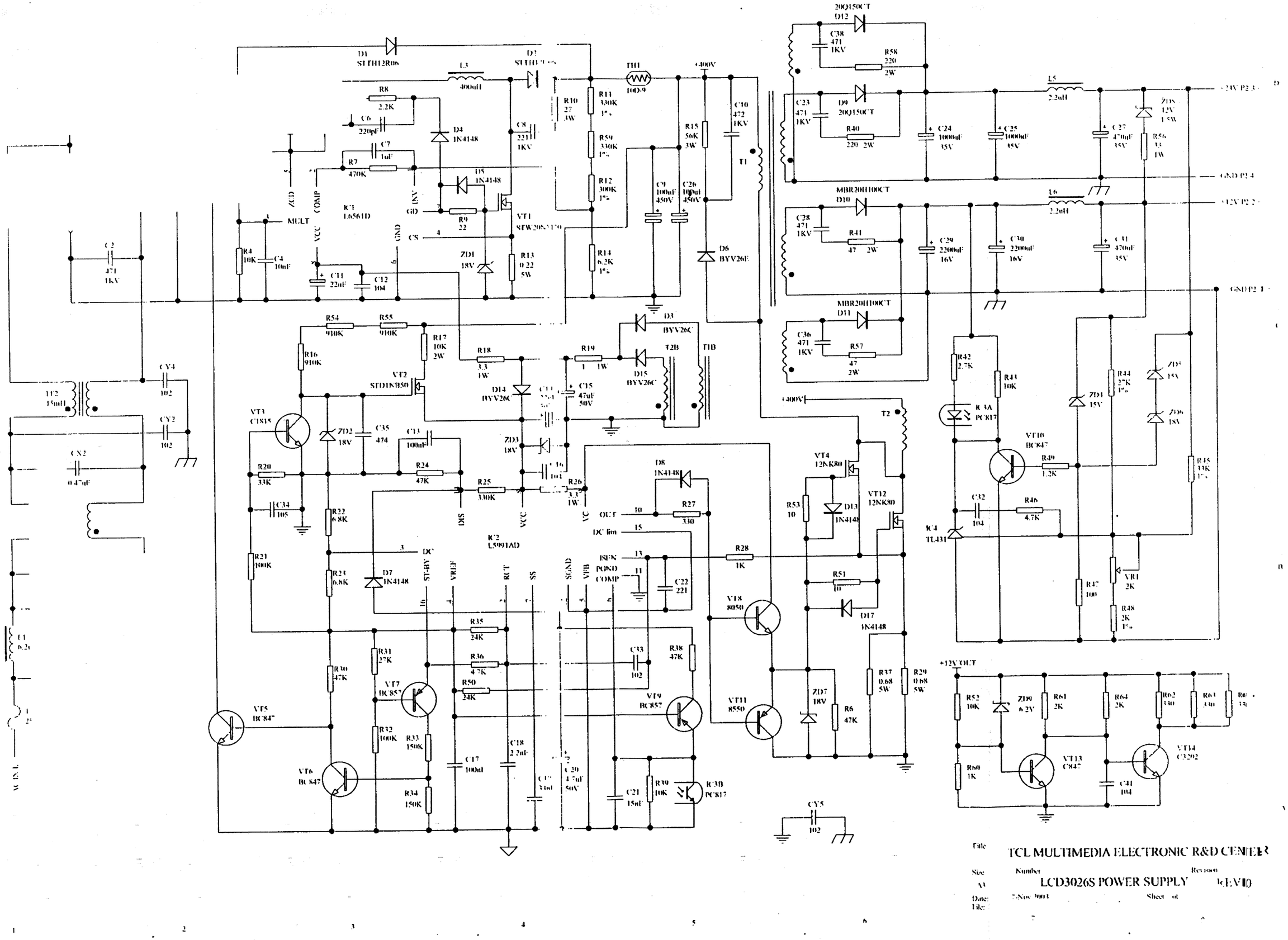


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| Date: 7-Nov-2003 | Sheet of | | |
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